



HC(2)-89

Metropolitan Housing Characteristics

HARTFORD, CONN. STANDARD METROPOLITAN STATISTICAL AREA



U.S. DEPARTMENT OF COMMERCE

Social and Economic Statistics Administration

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ACKNOWLEDGMENTS—Many persons participated in the various activities of the 1970 census. Primary direction of the program was performed by Conrad Taeuber, Associate Director for Demographic Fields, assisted by David L. Kaplan, 1970 Census Coordinator, and in conjunction with Paul R. Squires, Associate Director for Data Collection and Processing, and Joseph Walksberg, Acting Associate Director for Statistical Standards and Methodology.

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The procedures for sample selection, sample weighting, and computation of sampling variances were developed in the Statistical Methods Division, under the supervision of Morton Boisen, Acting Chief, and Robert H. Hanson and Walter M. Perkins, Assistant Division Chiefs, assisted by William T. Alsbrooks, Peter A. Bounpane, Barbara A. Boyes, and Carlton W. Pruden.

Geographic plans and procedures were developed in the Geography Division under the supervision of William T. Fay, then Chief, and Robert C. Klove and Gerald J. Post, Assistant Division Chiefs.

Data collection activities were administered by the Field Division, Richard C. Burt,

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Systems and processing procedures were developed under the direction of Morris Gorinson, Assistant Chief, Demographic Census Staff. Florence Wright, assisted by Orville M. Slye and Erne Wilkins, was responsible for the clerical procedures and Roger O. Lepage, assisted by Howard N. Hamilton, William Norfolk, and Eleanor Banks, was responsible for the computer programming. Donald R. Dalzell was responsible for the computer programs used for the electronic preparation of the tables in this report.

The manual processing and microfilming of the questionnaires and the review of tabulation controls were performed in the Data Preparation Division (formerly Jeffersonville Census Operations Division), under the direction of Robert L. Hagan, then Chief, with the assistance of Rex L. Putlin. William L. Pangburn supervised the microfilming operation. Dan N. Harding, assisted by Nora H. Shouse, was responsible for the tabulation review work, in which Peter J. Fronczek also made important contributions.

FOSDIC and computer processing were performed in the Computer Services Division under the supervision of James R. Pepal, Chief, and E. Richard Bourdon and James W. Shores, Assistant Division Chiefs. Development of the FOSDIC equipment was directed by William M. Gaines, Assistant

Division Chief, and McRae Anderson. Development of the automatic microfilming equipment was directed by Anthony A. Berlinsky.

Publications planning, editing, composition, and printing procurement were performed in the Publications Services Division, under the direction of Raymond J. Koski, Acting Chief, by Milton S. Andersen, Gerald A. Mann, and Wayne H. Massey.

Important contributions were made by Robert B. Voight and Sherry L. Courtland in the planning and coordination of the 1970 census program; by Lucille D. Catterton in the planning of the tabular materials; and by John W. H. Spencer, Sol Dolleck, and M. Douglas Fahey in the systems design and operations for processing the census data.

SUGGESTED CITATION

U.S. Bureau of the Census
Census of Housing: 1970
METROPOLITAN HOUSING
CHARACTERISTICS
Final Report HC(2)-89
Hartford, Conn. SMSA
U.S. Government Printing Office
Washington, D.C. 1972

For sale by the Superintendent of Documents U.S. Government Printing Office Washington, D.C. 20402, or any Department of Commerce Field Office.

Price 65 cents

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Metropolitan Housing Characteristics

HARTFORD, CONN.
STANDARD METROPOLITAN
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This guide lists all subjects covered in this report. An asterisk (*) indicates that data are shown for housing units with Negro head of household, and the dagger symbol (†) means that the data are shown for housing units with household head of Spanish heritage; these data are shown when an area has 25,000 or more Negro or Spanish heritage population, respectively.

Subject	Value	Gross rent	Income in	Plumbing facilities by persons per room	Number of rooms	Units in structure	Household composition by age of head	Size of household (persons)	Duration of vacancy	Sales price asked and rent asked
OCCUPANCY AND VACANCY CHARACTERISTICS Year moved into unit Duration of vacancy	1,11*,19†	2, 12*, 20† –	3, 13*, 21†	g ¹	_ 9	6, 16*, 24† 9	_	_	_ _	_ 9
UTILIZATION CHARACTERISTICS Number of rooms Size of household (persons) Number of bedrooms Persons per room	1, 11*, 19† 1, 11*, 19† 1, 11* 1, 11*	2, 12*, 20† 2, 12*, 20† 2, 12* 2, 12* 2, 12*, 20†	3, 13*, 21† 3, 13*, 21† 3, 13* 4, 14*, 22†	5, 15*, 23† 4, 14*, 22† - -	5, 15*, 23† 5, 15* 5, 15* 5, 15*, 23†	6, 16*, 24† 8, 18*, 26† 6, 16* 6, 16*, 24†	- 8, 18*, 26† - 7, 17*, 25†	5, 15*, 23† 8, 18* 4, 14*, 22†	9 - 9 -	 10
PLUMBING CHARACTERISTICS Plumbing facilities Plumbing facilities by persons per room Complete bathrooms	1, 11*, 19† 1, 11*, 19†	2, 12*, 20† 2, 12*, 20†	4, 14*, 22† —	-	5, 15*, 23† 5, 15*, 23†	6, 16*, 24† –	_ 7, 17*, 25† _	- 4, 14*, 22† 8, 18*, 26†	9	10 - -
STRUCTURAL CHARACTERISTICS Units in structure Year structure built Elevator in structure	1, 11*, 19†	6, 16*, 24† 2, 12*, 20† 2, 12*	6, 16*, 24† 3, 13*, 21†	6, 16*, 24† 4, 14*, 22† –	6, 16*, 24† 5, 15*, 23†	6, 16*, 24† —	·7, 17*, 25† - -	8, 18*, 26† 8, 18*, 26† –	9 9 —	10 . 10
EQUIPMENT AND APPLIANCES Heating equipment Air conditioning Automobiles available Second home Automatic clothes washing machine Clothes dryer Dishwasher Home food freezer	1, 11*, 19† - - -	2,12*,20† 	3, 13*, 21t 3, 13*, 21t 3, 13* 3, 13* 3, 13* 3, 13* 3, 13* 3, 13*	4, 14*, 22† - - - - - - -	- - - - - -	6, 16*, 24† 6, 16*, 24† 6, 16*, 24† - -	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9	
FINANCIAL CHARACTERISTICS Value Value-income ratio Gross rent Gross rent as percentage of income Gross rent as percentage of income by income Sales price asked Rent asked Inclusion of utilities in rent	-	2	-	4, 14*, 22† 2, 12*, 20† 4, 14*, 22†	1, 11*, 19t 5, 15*, 23t 2, 12*, 20t 5, 15*, 23t	6, 16*, 24† 	7, 17*, 25†	1, 11*, 19† 8, 18*, 26† 2, 12*, 20† 8, 18*, 26†	- - - - 9 9	
HOUSEHOLD CHARACTERISTICS Household composition by age of head Income in 1969		1 ' '	1 ' '	7, 17*, 25† 4, 14*, 22†	1	7, 17*, 251 6, 16*, 241		8, 18*, 26t 3, 13*, 21t	_	

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GENERAL

This report presents cross-tabulations of housing and household characteristics from the 1970 Census of Population and Housing for the standard metropolitan statistical area, its central city or cities, and its places of 50,000 inhabitants or more. Legal provision for this census, which was conducted as of April 1, 1970, was made in the Act of Congress of August 31, 1954 (amended August 1957), which codified Title 13, United States Code.

This report series contains 248 reports as listed on page II. There is one report for each standard metropolitan statistical area (recognized as of February 1971) in the United States and Puerto Rico, as well as a summary report for the United States.

This series of reports is one of the several series which present the information compiled from the census. For a description of the full data dissemination program of the 1970 Population and Housing Census, see Appendix D, "Publication and Computer Summary Tape Program."

The content and procedures of the 1970 census were determined after evaluation of the results of the 1960 census, consultation with a wide variety of users of census data, and extensive field pretesting. A number of

changes were introduced in 1970 to improve the usefulness of the census results. For most of the characteristics shown in this report, the changes do not, however, affect to any appreciable extent the comparability of the 1970 data with those for 1960; further information on comparability appears in Appendix B, "Definitions and Explanations of Subject Characteristics."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in later reports of the 1970 census.

Organization of the text.-The text consists of this introduction and four appendixes which appear after the tables. Appendix A describes the various area classifications (e.g., places, standard metropolitan statistical areas, etc.) and briefly explains the residence rules used in counting the population. Appendix B provides definitions and explanations for the subjects covered in this report, including facsimiles of the 1970 census questionnaire pages and a facsimile of the instruction sheet. Appendix C presents information on sources of error in the data, editing procedures, the sample design, ratio estimation, and sampling variability. Appendix D summarizes the data dissemination program of the 1970 census.

Content of the tables.—A series of standard tables is presented for each area shown in this report. Tables 1 to 8 present statistics for owner-occupied and renter-occupied units. Tables 9 and 10 present statistics for vacant units, separately for units for

sale and for units for rent. Data for housing units with Negro head of household are presented in tables 11 to 18, and data for housing units with heads of Spanish heritage (i.e., heads of Spanish language or surname or of Puerto Rican birth or parentage) are presented in tables 19 to 26; these tables, which have the same subject content as tables 1 to 8, are published for those standard metropolitan statistical areas, cities or places that have a population of 25,000 or more for the particular group. The finding guide on page IV lists the characteristics covered in this report and shows the tables in which the various types of statistics appear.

The prefix letter "A" has been assigned to the tables for the total standard metropolitan statistical area; tables for the central cities and places of 50,000 inhabitants or more, which follow in alphabetical order, have the prefix letter "B," "C," etc.

Sample size.—The statistics presented in this report are based on a sample of housing units. More specifically, the data are derived from the 15-percent and 5-percent sample questionnaires (see "Data Collection Procedures," below). Some items appeared on both sample questionnaires and, therefore, are based on a 20-percent sample of housing units. The sampling rate for each subject is shown in table A of Appendix C, "Accuracy of the Data." Appendix C also presents information on the sampling variability associated with these data.

Statistics for some subgroups (e.g., households in owner-occupied units with incomes of less than \$2,000 or renter-occupied 1-room units) may differ from table to table or within the same table when the figures are tabulated from different samples.

Derived figures (medians, etc.).-Shown in this report are medians as well as certain percentages and ratios. The median, which is a type of average, is the middle value in a distribution; i.e., the median divides the distribution into two equal partsone-half of the cases fall below the median and one-half of the cases exceed the median. For all types of derived figures in this report, the figure is not presented (but indicated by three dots "...") if there are fewer than the prescribed number of units in the distribution or the base. For the 20-percent sample, the minimum number of housing units is 100; for the 15-percent sample, the minimum is 132; and for the 5-percent sample, the minimum is 400.

Medians for rooms and persons are rounded to the nearest tenth, for value to the nearest hundred dollars, and for rent to the nearest dollar. In computing medians for rooms and persons per housing unit, the whole number is used as the midpoint of the interval so that, for example, the category "3 rooms" is treated as an interval ranging from 2.5 up to 3.5 rooms. In computing median rent, units reported as "no cash rent" are excluded. The median is computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in this report. When the median falls in the lower terminal category of an open-end distribution, the method of presentation is to show the initial value of the next category followed by a minus sign; thus, for example, if the median falls in the category "Less than \$5,000," it is shown as "\$5,000-." When the median falls in the upper terminal category of an open-end distribution, the method of presentation is to show the initial value of the

terminal category followed by a plus sign; thus, for example, if the median falls in the category "\$50,000 or more," it is shown as "\$50,000+."

Symbols.—A dash "—" signifies zero. Three dots "..." mean not applicable, or that the base for a derived figure is too small for it to be shown, or that the data are being withheld to avoid disclosure of information for individual housing units. The symbol "U" means that the place is unincorporated.

Boundaries.—The data shown for 1970 relate to the boundaries as they existed on January 1, 1970. Information on boundary changes between 1960 and 1970 for certain types of areas is given in the 1970 Population Census PC(1)-A reports.

DATA COLLECTION PROCEDURES

The 1970 census was conducted primarily through self-enumeration. In 1960, self-enumeration was first introduced on a nationwide scale as a substitute for the traditional census direct interview.

A census questionnaire was delivered by postal carriers to every household several days before Census Day, April 1, 1970. This questionnaire contained certain explanatory information and was accompanied by an instruction sheet; in areas with comparatively large proportions of Spanish-speaking persons, a Spanish version of the instruction sheet was also enclosed. Some of this material is reproduced in Appendix B, "Definitions and Explanations of Subject Characteristics."

In the larger metropolitan areas and some adjacent counties, altogether containing about three-fifths of the

population of the United States, the householder was requested to fill out and mail back the form on Census Day. Approximately 87 percent of the householders did so. The mailed-back forms were reviewed by the census enumerator (or, in some localities, a census clerk) and if the form was determined to be incomplete or inconsistent, a followup was made. The bulk of these followups were made by telephone, the rest by personal visit. For the households that did not mail back their forms, a followup was also made, in almost all cases by personal visit and in the remainder by telephone; vacant units were enumerated by personal visit.

For the remaining two-fifths of the population, the householder was requested to fill out the form and give it to the enumerator when he called; approximately 80 percent did so. Incomplete and unfilled forms were completed by interview during the enumerator's visit.

Three types of questionnaires were used throughout the country: 80 percent of the households answered a form containing a limited number of population and housing questions and the remainder, split into 15-percent and 5-percent samples, answered forms which contained these questions as well as a number of additional questions. Some of the additional questions were the same on the 15-percent and 5-percent versions; others were different. A random procedure was used to determine which of the three forms any particular household answered.

In the metropolitan and adjacent areas, the designated type was sent to each household. In the remaining areas, the questionnaire with a limited number of questions was distributed to all households and the enumerators

INTRODUCTION-Continued

interviewed for the additional questions in those households designated for the 15-percent and 5-percent samples.

The subjects covered in this report are all drawn from the 15-percent and 5-percent sample questionnaires.

PROCESSING PROCEDURES

The 1970 census questionnaires were specially designed to be processed by FOSDIC (Film Optical

Sensing Device for Input to Computers). Respondents and enumerators (and for some few items, census clerks) marked the answers in predesignated positions which could be "read" by FOSDIC, from a microfilm copy of the questionaire, onto computer magnetic tape.

The tape containing the information from the questionnaires was processed on the Census Bureau's computers through a number of editing and tabulation steps (see Appendix C, "Accuracy of the Data"). One of the end results of this operation was a computer tape from which the tables in this report were prepared on a cathode-ray-tube phototypesetting machine at the Government Printing Office. Another end result was the summary tape which is available for purchase, as described in Appendix D, "Publication and Computer Summary Tape Program."

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METROPOLITAN HOUSING CHARACTERISTICS

Hartford, Conn. STANDARD METROPOLITAN STATISTICAL AREA

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MAP

Counties, Standard Metropolitan Statistical Areas, and Selected Places

ΧI

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[The prefix letter "A" refers to tables for the total SMSA; tables for central cities and for places of 50,000 inhabitants or more, which follow in alphabetical order, have the prefix letter "B," "C," etc.]

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in Owner and Renter Occupied Housing Units With

Plumbing Facilities by Persons per Room for Owner and Renter Occupied Housing Units With Negro

Negro Head of Household: 1970

Head of Household: 1970

TABLE

Rooms in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970 Units in Structure for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970 Household Composition for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970 Persons in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970 Value of Owner Occupied Housing Units With Household Head of Spanish Language: 1970 Gross Rent of Renter Occupied Housing Units With Household Head of Spanish Language: 1970 Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970 Plumbing Facilities by Persons per Room for Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970 Rooms in Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970 Units in Structure for Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970 Household Composition for Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970

Persons in Owner and Renter Occupied Housing Units

With Household Head of Spanish Language: 1970

DESCRIPTION OF SMSA

The Hartford, Conn. Standard Metropolitan Statistical Area comprises the following:

Hartford County (part)

Avon town

Bloomfield town

Canton town

East Granby town

East Hartford town

East Windsor town

Enfield town

Farmington town

Glastonbury town

Granby town

Hartford city

Manchester town

Newington town

Rocky Hill town

Simsbury town

South Windsor town Suffield town

West Hartford town

Wethersfield town

Windsor Locks town

Windsor town

Middlesex County (part)

Cromwell town

Tolland County (part)

Andover town

Bolton town

Coventry town

Ellington town

Vernon town

Counties, Standard Metropolitan Statistical Areas, and Selected Places

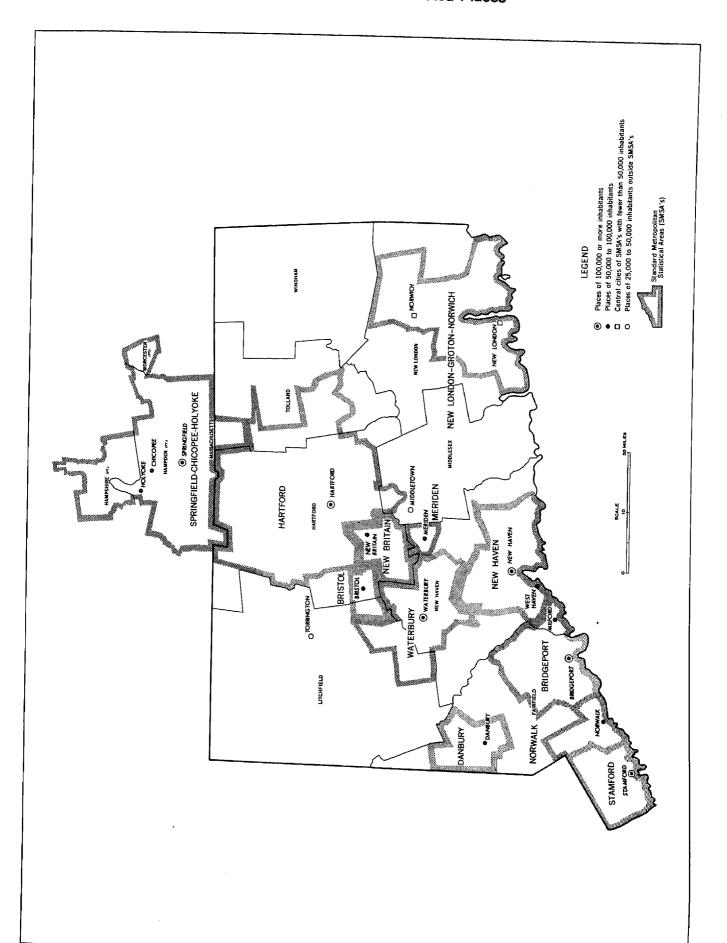


Table A-1. Value of Owner Occupied Housing Units: 1970

ַנַנ	ata based on s	ample, see tex	t. For minimu	m base for d	erived figures	(percent, mea	ian, etc.) and n	neuming or syr				
The SMSA	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)
Specified owner occupied,	105 719	76	226	597	1 807	2 974	18 435	28 323	32 562	15 193	5 526	25 100
ROOMS 1 and 2 rooms	86 454 5 464 25 616 34 922 21 373 17 804 6.1	15 6 20 25 5	11 36 103 23 25 16 12 4.1	12 61 184 97 109 84 50 4.9	9 84 440 595 433 156 90 5.1	102 738 1 029 716 282 107 5.1	7 74 2 258 7 362 6 609 1 442 683 5.4	10 55 1 190 10 204 11 790 3 759 1 315 5.7	16 11 468 5 588 12 332 9 587 4 560 6.3	17 11 51 608 2 544 5 071 6 891 7.4	4 5 26 90 339 971 4 091 7.5+	13 300 17 500 21 800 24 000 30 200 39 500
PERSONS 1 person 2 persons 3 persons 5 persons 6 persons or more Median Units with roomers, boarders, or lodgers	7 103 26 878 19 304 22 749 15 684 14 001 3.5	32 13 17 9 - 5	68 100 5 30 13 10 2.0	159 210 63 89 46 30 2.2	402 596 313 227 115 154 2.3	489 1 031 487 456 195 316 2.5	1 861 5 146 3 316 3 631 2 266 2 215 3.2 255	1 771 7 466 5 446 6 123 4 055 3 462 3.4 454	1 549 7 886 6 128 7 493 5 225 4 281 3.6 330	572 3 116 2 657 3 590 2 736 2 522 3.8	200 1 314 872 1 101 1 033 1 006 3.8 94	21 500 24 200 25 000 26 100 27 200 26 900 23 300
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.51 to 1.50 1.51 or more Lacking same or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50	105 118 51 418 49 485 3 900 315 601 348 216 37	61 41 15 5 - 15 11 4	179 118 51 5 5 47 31 11	573 367 187 14 5 24 12 12 -	1 746 1 017 587 128 14 61 42 10	2 929 1 669 1 053 180 27 45 30 15	18 296 8 505 8 517 1 159 115 139 90 40	28 244 12 508 14 275 1 371 90 79 30 43 6	32 426 15 326 16 172 884 44 136 52 76 8	15 152 8 112 6 900 129 11 36 5	5 \$12 3 755 1 728 25 4 14 14 	25 200 26 000 25 000 21 700 19 700 19 000 17 800 21 900
BEDROOMS None and 1	2 147 20 628 58 322 24 821	- 19 26 -	60 79 36 53	91 132 231 34	156 678 807 135	183 1 478 1 215 353	802 5 226 10 029 2 391	475 6 475 17 287 4 503	328 5 184 20 248 6 701	52 1 028 6 883 7 146	329 1 560 3 505	18 500 22 100 24 900 32 400
YEAR STRUCTURE BUILT 1965 to March 1970	2 138 10 599 15 085 40 571 14 670 22 656	- - - 6 11 59	- 4 57 43 122	- 7 - 117 121 352	3 10 24 332 471 967	- 5 67 840 871 1 191	10 250 1 267 7 855 3 918 5 135	126 1 364 3 662 13 762 3 963 5 446	728 4 260 5 989 11 911 3 857 5 817	888 3 308 3 113 4 382 1 085 2 417	383 1 395 959 1 309 330 1 150	38 400 33 600 29 200 24 000 22 400 23 200
COMPLETE BATHROOMS 1 and 1 1/2 2 and 2 1/2 3 or more	78 217 23 272 3 384 915	63 6 -	138 7 - 72	573 9 - 28	1 708 22 5 88	2 741 129 	17 194 959 21 229	25 180 2 840 77 145	24 492 7 606 391 194	5 674 8 512 997 50	454 3 182 1 893 34	23 300 35 100 50000 + 19 200
HOUSEHOLD COMPOSITION Twe-or-mere-person households. Male head, wite present, no nonrelatives. 25 to 34 years. 35 to 44 years. 45 to 64 years. 65 years and over. Other male head. Under 65 years ond over. Female head. Under 65 years ond over. 65 years ond over. 65 years households.	24 036 40 083 8 740 2 937 2 327 6 814 4 845 1 969 7 103 3 496	44 25 5 5 4 11 - - 19 19 19 19	158 126 - 114 15 82 15 5 5 - 27 22 25 68 31	438 314 51 57 129 77 62 43 19 62 28 34 159 51	1 405 1 106 13 100 178 5400 275 97 74 23 202 97 105 402 201	2 485 2 108 10 262 347 1 069 420 109 79 30 268 192 76 489 277 212	16 574 14 348 134 2 065 3 582 6 826 1 741 638 493 145 1 588 1 163 425 1 861 837	26 552 23 923 248 4 604 5 937 10 622 2 512 731 600 131 1 898 1 336 562 1 771 893 878	31 013 28 444 228 5 692 7 824 12 286 2 414 714 558 156 1 855 1 390 465 1 549 828 721	14 621 13 617 47 2 151 4 404 6 092 923 347 304 43 657 447 210 572 255 317	5 326 4 854 377 1 688 2 426 363 234 171 63 238 151 87 200 112 88	25 500 25 900 23 400 26 000 27 400 25 600 23 700 23 800 23 900 23 400 23 400 23 400 21 500 21 500 21 100
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,979 \$6,000 to \$6,979 \$7,000 to \$9,979 \$10,000 to \$1,999 \$15,000 to \$24,999 \$25,000 or \$1,999 \$25,000 or \$1,999	1 578 1 863 1 974 2 350 2 977 13 281 35 148 32 860 10 411	35 6 11 - 5 4 10 5	53 12 15 6 26 61 26 27 \$7 000	85 19 35 15 57 159 114 68 12 \$8 000	189 133 107 73 113 98 388 483 197 26 \$8 500	205 89 122 111 169 147 701 937 416 77 \$9 800	899 402 554 533 610 795 3 391 7 014 3 851 386 \$11 400	698 427 454 603 699 921 4 407 11 348 7 848 918 \$12 600	743 320 461 441 557 709 3 079 11 425 12 239 2 588 \$14 400	279 129 93 143 135 191 897 3 191 6 718 3 417 \$18 800	91 41 26 22 46 28 194 600 1 491 2 987 \$27 700	21 200 21 500 21 100 21 800 21 900 22 900 22 200 24 000 28 300 40 300
YEAR MOVED INTO UNIT 1969 to March 1970 1968 1967 1965 and 1966 1960 to 1964 1950 to 1959 1949 or earlier	7 726 7 467 6 303 12 693 22 737 34 654	6 8 6 8 28 32	19 - 6 8 22 105 57	22 12 14 31 62 230 239	39 53 44 87 292 678 630	115 61 55 236 343 1 226 890	669 809 787 1 758 3 652 7 383 3 345	1 498 1 609 1 573 2 946 6 178 10 482 3 956	2 903 2 592 2 128 4 391 7 476 9 775 3 418	1 684 1 709 1 239 2 318 3 577 3 578 1 128	771 614 451 918 1 127 1 169 513	30 100 29 600 28 100 27 900 26 100 23 700 22 400
HEATING EQUIPMENT Steam or hot water Warm-air furnace Built-in electric units Floor, wall, or pipeless furnace Other means	74 861 - 25 209 - 2 610 - 1 328 - 1 699	5 35	66 53 10 28 69	229 243 14 36 75	927 611 47 75 147	1 628 1 086 50 118 92	11 754 5 790 220 326 337 8	20 500 6 480 473 368 498	24 913 6 327 787 229 306	11 375 2 883 691 119 125	3 442 1 727 318 24 15	23 700 31 200 21 000
AIR CONDITIONING Room unit(s) Central system None	35 722 3 685	8	-	103 14 493	-	706 12 2 208	154	9 891 245 18 106	12 070 961 19 652	1 206	1 584 1 093 2 886	40 700

Limited to one-family homes on less than 10 ocres and no business on property.

Table A-2. Gross Rent of Renter Occupied Housing Units: 1970

•		, sample, sac to		mom base to	r derived tigur	44 (parcerit,	111001011, 0101	, and madming	0, 0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u>-</u>			
The SMSA	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
Specified renter occupied	83 692	2 049	1 023	1 836	2 098	8 303	13 107	22 199	23 597	6 194	779	2 507	136
ROOMS		į.	ł.						ļ		Ī		
1 room	4 203 6 048 19 640 25 601 18 368 7 018 1 632 1 182 3.9	664 503 559 197 95 25 6 - 2.2	269 201 342 131 53 22 5	798 209 251 348 141 54 22 13 2.1	404 223 286 725 339 100 5 16 3.7	748 1 055 1 933 2 405 1 616 430 84 32 3.7	552 1 037 3 696 4 323 2 627 735 95 42 3.8	482 1 434 5 123 7 398 5 883 1 582 213 84 4.0	175 1 127 6 488 7 049 5 484 2 547 475 252 4.1	16 138 663 2 333 1 536 894 399 215 4.5	12 12 16 186 162 150 89 152 5.5	83 109 283 506 432 479 239 376 5.1	78 115 135 138 141 156 178 193
PERSONS	24 052	1 470	722	1 209	1 055	3 508	4 569	5 317	4 522	851	130	699	116
person. 2 persons. 3 persons. 4 persons. 5 persons. 6 persons or more. Median. Units with roomers, boarders, or ladgers	24 032 25 969 13 952 9 529 5 248 4 942 2.2 2 680	396 71 45 30 37 1.2	176 44 54 18 9 1.2	288 155 76 20 88 1.3	419 250 166 107 101 1.5	2 267 971 608 389 560 1.8	3 820 2 043 1 335 697 643 2.0	6 848 4 280 2 839 1 613 1 302 2.3 763	8 615 4 438 3 018 1 565 1 439 2.3 905	2 082 1 197 956 553 555 2.6 313	257 123 134 56 79 2.5	801 380 298 200 129 2.2 103	143 143 145 143 142
PLUMBING FACILITIES BY PERSONS				ļ							ļ		
PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	37 265 36 951 5 185 1 088 3 203 795 2 253 78	1 661 838 751 40 32 388 64 314	795 480 286 23 6 228 45 170 —	1 148 537 477 107 27 688 68 607	1 819 919 713 149 38 279 53 226	7 547 4 140 2 643 626 138 756 227 492 16 21	12 683 6 511 5 175 796 201 424 150 248 23 3	22 006 9 510 10 589 1 562 345 193 87 75 20 11	23 454 9 528 12 327 1 392 207 143 37 86 14	6 170 2 810 2 934 362 64 24 17 7	772 483 261 28 - 7 - 7	2 434 1 509 795 100 30 73 47 21 5	138 134 143 135 128 79 92 71
BEDROOMS			Ì										
None	_ 33 824	935 198	270 709 130 37	918 343 562 127	363 598 925 325	982 3 239 2 520 1 386	511 5 327 5 257 2 262	491 8 022 9 812 3 949	8 373 10 109 4 906	994 3 047 1 892	59 280 377	89 536 984 1 065	81 132 141 146
YEAR STRUCTURE BUILT			,	ļ							.,	7.4	182
1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1959 1940 to 1949	7 394 7 604 7 229	379 289 1 118 286	37 105 98 67 133 583	6 13 108 58 159 1 492	24 33 144 324 1 573	35 61 124 582 1 097 6 404	37 215 273 1 206 1 691 9 685	318 1 735 1 508 2 088 2 742 13 808	1 693 5 412 3 732 2 377 2 111 8 272	1 006 1 822 875 529 385 1 577	51 196 176 98 77 181	74 129 178 337 224 1 565	162 173 166 141 129 124
ELEVATOR IN STRUCTURE					Ĭ								
4 floors or more With elevator Walk-up 1 to 3 floors	- 4 864 2 612	195	79 15 64 1 067	214 14 200 1 736	270 159 111 1 941	782 253 529 7 345	773 239 534 12 584	1 657 861 796 20 617	2 356 2 056 300 21 254	855 835 20 5 078	199 199 517	77 38 39 2 597	145 166 114 135
COMPLETE BATHROOMS				j							017	1 890	138
1 and 1 1/2 2 or more None or also used by another household	2 008	8 12	709 13 256	1 050 14 711	1 689 25 370	7 145 39 1 109	12 249 108 713	21 477 125 667	22 911 285 359	5 789 487 24	317 454 8	446 106	233
INCOME IN 1969	1		ļ										
Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$7,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or mare Median	5 11 5 04 5 06 5 75 5 94 18 30 19 50 8 11 1 45	7 357 7 179 8 147 8 69 3 71 9 148 15 123 1 8	433 164 67 82 44 65 88 61 16 3 \$2 500	379 239 133 119 174 187 339 192 58 16 \$5 300	425 289 208 166 134 190 347 245 85 9 \$4 800	1 286 672 635 718 696 748 1 888 1 228 375 57 \$6 200	1 579 942 911 910 1 168 1 166 3 001 2 543 789 98	2 143 1 216 1 281 1 437 1 607 1 541 5 466 5 574 1 721 213 \$8 000	1 520 824 1 214 1 124 1 435 1 565 5 358 7 046 3 133 3 78 \$9 300	292 199 199 201 236 234 1 113 1 926 1 368 426 \$11 600	34 6 34 27 41 11 93 117 227 189 \$16 200	344 209 186 137 154 165 468 450 331 63 \$7 400	113 116 127 127 130 129 137 148 163 189
YEAR MOVED INTO UNIT			,	,									
1969 to March 1970 1968 1967 1965 and 1966 1960 to 1964 1950 to 1959 1949 or earlier	11 90 8 16 11 20 11 00	04 259 08 205 36 394 04 446 43 183	206 95 100 174 201 103 99	484 134 248 210 259 309 131	455 182 226 249 356 237 379	1 640 826 681 1 187 1 393 1 571 995	3 168 1 504 1 458 1 974 2 083 1 754 1 129	3 364 2 352 3 132 3 079 1 586	10 876 4 095 2 211 2 940 2 315 689 429	3 448 1 127 428 598 422 183 94	26	135 299 394 502	134 132 126 110
GROSS RENT AS PERCENTAGE OF													
Less than 10 percent	15 2 16 1 10 9 11 5 19 7	16 211 98 220 92 210 24 332 09 572		429 215 101 219 405	232 189 250	1 120 1 944 1 483 730 894 1 854	3 010 2 442 1 612 1 536 3 034	4 655 4 844 2 946 2 939 5 229	722 3 540 5 322 4 000 3 868 5 791 354	256 765 1 257 989 1 252 1 624 51	124 115 306		141 146 145 138
AIR CONDITIONING Room unit(s) Central system	2 5	79	-	- 17	-	994 21 7 278	95	i 130	9 730 803 13 022	2 310 1 078 2 912	361	74	1 217

Excludes one-family homes on 10 acres or more.

Table A-3. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970

•	(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]													
The SMSA	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)		
Owner occupied housing units	122 285	4 488	2 537	2 518	2 776	3 150	3 772	16 145	39 600	36 073	11 226	13 300		
ROOMS 1 and 2 rooms	220 1 041 8 461 31 695 38 604 42 264	46, 225 750 1 314 1 194 959	31 94 463 805 682 462	46 446 790 757 479	10 62 398 920 823 563	15 77 424 1 169 931 534	15 70 493 1 228 1 137 829	26 207 1 828 5 613 5 125 3 346	56 204 2 466 11 602 14 270 11 002	11 56 1 097 7 409 11 414 16 086	10 96 845 2 271 8 004	6 500 6 200 9 100 11 700 13 000 16 800		
PERSONS person	10 050 32 753 47 079 16 986 15 417	2 613 963 596 177 139 219	1 171 1 015 257 51 43	821 1 317 268 57 55	835 1 450 333 93 65	823 1 506 531 118 172 79	821 1 659 919 181 192	1 569 5 491 5 804 1 832 1 449 369	969 9 416 17 180 6 457 5 578 461	327 7 699 16 224 6 069 5 754 233	101 2 237 4 967 1 951 1 970 87	4 500 11 600 14 300 14 600 15 000 8 700		
BEDROOMS Less than 3	31 504 63 826 27 013	2 107 1 720 356	1 345 1 029 292	1 248 1 078 382	1 397 1 027 252	1 543 1 030 301	1 598 1 468 505	5 301 8 938 2 555	9 909 23 413 7 684	5 689 19 894 9 597	1 367 4 229 5 089	10 600 13 300 16 200		
YEAR STRUCTURE BUILT 1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier	2 307 27 142 41 989 50 847	5 421 936 3 126	14 239 461 1 823	3 150 599 1 766	9 254 727 1 786	42 374 898 1 836	23 447 1 097 2 205	206 2 769 5 403 7 767	859 9 725 14 769 14 247	898 9 595 13 159 12 421	248 3 168 3 940 3 870	15 000 14 600 13 700 11 800		
YEAR MOVED INTO UNIT 1959 to March 1970 1968 1960 1960 to 1967 1959 or earlier	8 805 8 344 46 137 59 021	154 164 1 217 3 094	35 95 493 1 880	89 32 430 1 911	151 51 697 1 930	179 130 849 2 099	227 126 1 121 2 331	1 167 1 086 5 864 7 829	3 396 3 161 16 542 15 959	2 667 2 645 14 377 16 646	740 854 4 547 5 342	13 500 13 900 13 700 12 600		
SELECTED CHARACTERISTICS Automatic clothes washing machine Clothes dryer Dishwasher Home food freezer Owned second home With air conditioning Room unit(s) Central system Automobiles available: 1 2 3 or more	39 914 3 954	2 425 1 006 570 640 174 948 866 82 2 154 674 72	1 807 703 445 420 120 484 445 39 1 236 264 31	1 790 568 182 463 144 560 524 36 1 403 338 37	1 855 695 391 401 411 624 565 59 1 661 421 65	2 071 1 096 464 608 236 964 916 48 2 146 629 63	2 693 1 254 664 800 249 916 866 50 2 392 896 90	14 324 8 694 3 932 4 294 952 4 678 4 404 274 9 479 5 360 431	37 366 26 642 13 969 11 853 2 439 13 729 12 966 763 16 520 19 892 2 204	33 077 25 547 18 849 11 874 3 063 15 053 13 840 1 213 8 285 21 969 5 920	10 042 8 789 8 395 4 900 1 661 5 912 4 522 1 390 1 106 7 498 2 808	13 600 14 400 16 800 14 400 15 600 14 600 14 400 20 200 10 800 15 200 19 800		
Renter occupied housing units	84 530	9 454	5 156	5 068	5 101	5 782	5 998	18 492	19 779	8 180	1 520	7 900		
ROOMS 1 room 2 rooms 3 rooms 4 rooms 5 rooms or more	4 219 6 070 19 700 25 752 18 561	954 1 252 2 958 2 291 1 397 602	408 584 1 543 1 532 769 320	336 460 1 395 1 380 1 014 483	295 454 1 347 1 472 1 065 468	326 684 1 570 1 685 971 546	373 513 1 320 1 927 1 197 668	1 028 1 119 4 039 6 061 4 239 2 006	352 691 3 803 6 452 5 388 3 093	105 231 1 531 2 467 2 174 1 672	42 82 194 485 347 370	5 400 5 400 6 800 8 300 9 000 10 000		
PERSONS 1 person 2 persons 3 and 4 persons 5 persons 6 persons or more Units with roomers, boarders, or lodgers	26 158 23 789 5 324 5 070	5 707 1 936 1 257 252 302 594	2 447 1 607 776 165 161	2 093 1 465 952 303 255	1 893 1 474 1 177 252 305 268	2 316 1 498 1 369 214 385 230	2 098 1 710 1 473 347 370 265	4 466 5 576 6 088 1 188 1 174 538	2 263 7 001 7 349 1 830 1 336	674 3 413 2 780 696 617	232 478 568 77 165	5 000 8 800 9 400 9 900 8 900 5 200		
BEDROOMS Nane	29 239 34 139	805 4 176 2 815 1 102	542 2 561 1 647 581	292 2 217 1 658 984	304 2 268 1 837 724	420 2 503 2 262 932	403 2 051 2 527 832	1 096 5 792 7 979 3 655	445 4 921 9 275 5 153	100 2 366 3 463 2 436	59 384 676 487	5 700 6 400 8 600 9 700		
YEAR STRUCTURE BUILT 1969 to March 1970 1960 to 1968 1950 to 1959 1949 ar earlier	. 17 547 7 719	292 1 434 752 6 976	140 780 459 3 777	183 950 427 3 508	171 739 479 3 712	191 1 027 537 4 027	224 1 018 511 4 245	764 3 612 1 727 12 389	926 4 685 1 985 12 183	479 2 718 662 4 321	60 584 180 696	9 000 9 300 8 200 7 400		
YEAR MOVED INTO UNIT 1949 to March 1970 1948 1968 1960 to 1967 1959 or earlier	12 005 30 567	3 195 1 101 3 640 1 604	1 868 693 1 722 814	1 845 507 1 753 954	2 010 566 1 700 811	2 368 686 1 944 748	2 253 681 2 201 938	6 513 2 866 6 693 2 459	6 552 3 285 7 374 2 556	2 509 1 405 2 926 1 274	440 215 614 207	7 600 8 900 8 000 7 400		
GROSS RENT AS PERCENTAGE OF INCOME	21 022 16 198 10 992 11 524 19 709	9 377 - 11 29 291 6 962 2 084	5 117 17 93 247 461 4 090 209	5 047 54 167 188 771 3 681	5 068 183 204 416 1 676 2 452 137	5 758 189 499 1 075 2 343 1 498 154	5 943 460 1 064 1 511 2 189 554 165	18 309 3 079 5 942 5 188 3 230 402 468	19 505 9 102 7 202 2 181 505 65 450	8 111 6 590 980 147 58 5 331	1 457 1 348 36 10 - - 63	7 900 13 600 10 100 8 200 6 100 2 700 2 200		
SELECTED CHARACTERISTICS Automatic clothes washing machine Clothes dryer Dishwasher Home food freezer Owned second home With air conditioning Roam unit(s) Central system Automobiler events by	14 106 9 942 5 812 2 622 24 492 21 900	2 473 656 408 384 258 1 451 1 314	1 553 420 216 368 43 831 727	2 273 634 278 241 150 1 073 968 105	2 335 648 333 416 61 995 943 52	2 146 427 358 329 82 1 493 1 409 84	2 555 831 396 335 102 1 520 1 354 166	9 170 3 053 1 738 830 454 5 320 4 895 425	10 718 4 649 2 968 1 729 619 7 064 6 415 649	4 286 2 240 2 515 1 015 513 3 921 3 327 594	837 548 712 165 340 824 548 276	8 900 10 400 12 100 10 000 11 300 9 800 9 600 11 700		
Automobiles available: 1	_ 14 351	393	1 439 248 47	2 177 309 78	2 409 362 105	3 196 418 86	732	12 087 2 823 370	12 100 5 223 543	3 748 3 229 569	542 614 163	8 600 11 800 11 400		

'Excludes one-family homes on 10 acres or more.

Table A-4. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units: 1970

(0)	ata based on sam	ple, see text. Fo		e for derived turbing facilities		, median, etc.) and meaning of L		all plumbing fac	ilities	
The SMSA	-		0.50 or	0.51 to	1.01 to	1.51 or		0.50 or	0.51 to	1.01 to 1.50	1.51 or
-	Total	Total	less	1.00	1.50	more	Total	less	1.00	50	more
Owner occupied housing units	122 285	121 317	61 346	54 943	4 629	399	968	616	302	30	-
PERSONS 1 person	10 050 32 753 22 189 24 890 16 986 15 417 3.3 1 893	9 781 32 473 22 019 24 770 16 917 15 357 3.3 1 870	9 758 32 033 14 314 3 852 1 389 - 2.2 993	23 413 7 694 20 876 15 205 10 732 4.4 733	5 28 314 4 282 6.8	27 6 14 9 343 7.5+ 28	269 280 170 120 69 60 2.3	269 243 93 11 - 1.7	37 77 109 56 23 3.8	13 37 	-
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	2 296 11 276 15 650 41 648 16 080 35 357	2 271 11 255 15 570 41 505 15 933 34 769	1 126 4 750 5 909 18 017 9 410 21 895	1 111 6 295 8 950 21 304 5 873 11 528	28 191 679 1 999 627 1 194	6 19 32 185 23 152	25 21 80 143 147 588	14 44 75 92 412	25 7 25 68 43 135	11 12 41	-
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$7,000 to \$6,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 ar more Median	4 488 2 537 2 518 2 776 3 150 3 772 16 145 39 600 36 073 11 226 \$13 300	4 310 2 467 2 502 2 732 3 113 3 712 15 981 39 380 35 917 11 203 \$13 300	3 619 2 193 2 230 2 383 2 467 2 773 8 660 15 602 15 300 6 119 \$12 000	637 244 261 290 565 868 6 598 21 576 19 123 4 781 \$14 200	44 20 11 49 71 58 674 2 025 1 393 284 \$13 400	10 10 - 10 10 13 49 177 101 19 \$12 800	178 70 16 44 37 60 164 220 156 23 \$8 400	168 70 12 39 27 43 94 95 56 12 \$5		10 - - - 12 19 9	-
VALUE-INCOME RATIO Specified owner occupied* Less thon 1.5	105 719 26 881 26 204 18 814 11 351 9 786 12 004 679	105 118 26 713 26 072 18 747 11 310 9 725 11 895 656	51 418 11 115 11 086 8 221 5 339 5 601 9 523 533	49 485 14 056 13 712 9 878 5 591 3 911 2 233 104	3 900 1 420 1 184 599 350 208 125 14	315 122 90 49 30 5 14	601 168 132 67 41 61 109 23	348 60 77 37 25 43 88 18	216 99 55 20 16 10	37 9 10 8 5 5	
HEATING EQUIPMENT Steom or hot water. Warm-air turnace. Built-in electric units Floor, well, or pipeless turnace Other means None.	29 647	84 616 29 380 2 921 1 556 2 832	42 351 15 092 1 425 861 1 605 12	39 061 12 852 1 400 617 1 013	2 947 1 338 78 68 198	257 98 18 10 16 -	434 267 14 35 218	260 171 10 18 157	152 78 4 17 51	22 18 - - 10 -	-
Renter occupied housing units	84 530	81 305	37 596	37 390	5 231	1 088	3 225	800	2 270	78	77
PERSONS 1 person 2 persons 3 persons 4 persons 5 persons 6 persons or more Median Units with roomers, boarders, or ladgers	26 158 14 092 9 697 5 324 5 070 2.2	21 679 25 766 13 965 9 626 5 272 4 997 2.2 2 658	19 640 15 807 1 875 226 48 1.5	2 039 9 819 11 826 8 968 3 573 1 165 3.1	232 379 1 505 3 115 5.8 91	140 32 53 146 717 7.0 29	2 510 392 127 71 52 73 1.1	557 217 21 - 5 - 1.2 23	1 953 134 100 61 22 - 1.1	- 6 5 12 55 	41 5 13 18
YEAR STRUCTURE BUILT 1969 to Morch 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	- 10 076 - 7 578 - 7 827 - 9 242	3 244 10 036 7 543 7 737 9 064 43 602	1 514 4 382 3 659 3 295 3 623 21 162	1 641 5 372 3 538 3 662 4 423 18 619	77 213 261 611 816 3 218	12 69 85 169 202 603	14 40 35 90 178 2 907	9 28 40 54 653	14 31 7 45 102 2 125	- - - 22 61	- - 5 - 68
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Median	5 156 5 068 5 782 5 782 5 998 18 492 19 779 8 180	8 754 4 827 4 890 4 880 5 531 5 693 17 726 19 446 8 054 1 504 \$8 000	5 701 2 965 2 635 2 469 2 844 2 912 7 263 7 017 3 127 663 \$6 800	2 648 1 583 1 902 2 003 2 170 2 262 8 967 10 795 4 358 702 \$9 000	307 224 279 351 390 454 1 282 1 365 483 96 \$8 400	98 55 74 57 127 65 214 269 86 43 \$8 000	333 126 16	236 75 44 57 114 76 85 75 22 16 \$4 800	454 226 134 139 127 216 656 226 92 \$4 300	17 -4 10 6 18 11 12 -	10 11 21 7 7 21
GROSS RENT AS PERCENTAGE OF INCOM Specified renter occupied? Less Ihan i 0 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	AE 83 692 - 5 806 - 15 216 - 16 199 - 10 993 - 11 524	5 301 14 424 15 770 10 780 11 150 19 003	37 265 1 925 5 580 6 199 4 623 5 455 11 048 2 435	36 951 2 768 7 687 8 145 5 325 4 792 6 863 1 371	5 185 462 948 1 238 700 755 883 199	1 088 146 209 188 132 148 209 56	505 792 428 2 212 374 706	795 66 93 144 77 105 200 110	2 253 412 671 269 118 252 460 71	78 12 11 6 13 6 25 5	77 15 17 9 4 11 21
HEATING EQUIPMENT Steam or hot water	15 53 6 86 1 51 10 57	B 15 202 3 6 830 B 1 488 0 9 971	23 001 6 508 3 183 626 4 209 69	21 161 7 503 3 362 762 4 533 69	2 938 1 023 192 83 979 16	560 168 93 17 250	336 33 7 30	390 36 11 5 336 22	1 748 281 17 4 211	6 14 5 16 31 6	46 5 - 5 21 -

*Limited to one-family homes on less than 10 acres and no business on property. **Excludes one-family homes on 10 acres or more.

Table A-5. Rooms in Owner and Renter Occupied Housing Units: 1970

	[Data based on s	ample, see text.	For minimum bo	ise for derived fi	gures (percent, r	nedian, etc.) and	meaning of sym	bols, see text]		
The SMSA	Total	l room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or mare	Median
Owner occupied housing units Units with 1 or more bothrooms and	122 285	75	145	1 041	8 461	31 695	38 604	22 792	19 472	6.0
complete kitchen facilities for exclusive use, and direct access PERSONS	120 674	50	106	849	8 156	31 427	37 866	22 756	19 464	6.0
l person 2 persons 3 persons 4 persons 5 persons 6 persons or more Median	10 050 32 753 22 189 24 890 16 986 15 417 3.3	23 27 6 9 5 5	91 44 5 5 - - 1.3	506 406 86 28 4 11	1 880 4 113 1 295 684 327 162 2.1	3 005 10 586 6 390 5 973 3 609 2 132 2.9	2 629 10 159 7 530 8 667 5 280 4 339 3.4	1 066 4 505 4 237 5 661 3 816 3 507 3.8	850 2 913 2 643 3 863 3 945 5 261 4.4	5.3 5.6 5.9 6.2 6.4 6.8
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more 1.52 or more 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	121 317 61 346 54 943 4 629 399 968 616 302 50	75 23 - 52: - - -	109 70 29 5 5 36 21 15	938 434 461 28 15 103 72 31	8 321 5 889 1 956 419 57 140 104 23	31 451 13 468 15 861 1 958 164 244 123 111 10	38 356 20 137 16 632 1 505 82 248 181 50 17	22 706 9 783 12 425 483 15 86 25 51 10	19 361 11 555 7 556 231 9 111 90 21	6.0 6.0 6.0 5.5 4.9 5.3 5.4 5.2
BEDROOMS None and 1	3 824 27 680 63 826 27 013	105 - - -	75 	868 258 	1 806 6 461 239 -	773 14 173 15 865 153	180 5 556 29 704 4 294	17 1 013 14 413 6 978	219 3 605 15 588	4.0 5.0 6.0 7.5 +
YEAR STRUCTURE BUILT 1949 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier.	2 307 27 142 41 989 50 847	17 10 48	4 19 21 101	18 115 201 707	73 740 2 582 5 066	234 5 213 14 964 11 284	463 7 151 14 170 16 820	519 6 852 6 873 8 548	996 7 035 3 168 8 273	7.2 6.5 5.7 6.0
COMPLETE BATHROOMS 1 and 1 1/2 2 or more	92 062 28 780 1 465	57 6 -	106 7 45	815 42 160	7 847 368 233	29 580 1 873 374	31 645 6 262 390	14 898 7 858 120	7 114 12 364 143	5.7 7.2 5.3
Specified owner occupied	105 719 26 881 26 204 30 165 21 790 679	52 - 5 26 21 -	34 11 - - 23	454 147 55 57 179 16	5 464 1 522 1 236 1 057 1 563 86	25 616 6 874 6 921 6 594 5 077 150	34 922 9 163 8 777 10 025 6 717 240	21 373 5 012 5 261 6 790 4 185 125	17 804 4 152 3 949 5 616 4 025 62	6.1 6.0 6.1 6.2 6.1 5.9
Renter occupied housing units Units with 1 or more bathrooms and	84 530	4 219	6 070	19 700	25 752	18 561	7 209	1 700	1 319	4.0
complete kitchen facilities for exclusive use, and direct access	78 765	1 930	5 577	18 743	24 766	17 908	7 001	1 658	1 182	4.0
1 person	24 189 26 158 14 092 9 697 5 324 5 070 2.2	3 992 181 32 7 7 -	4 278 1 469 238 51 19 15	9 018 8 484 1 610 384 133 71 1.6	4 274 8 929 6 297 3 998 1 517 737 2.5	1 764 5 081 4 019 3 349 2 158 2 190 3.1	584 1 547 1 429 1 336 1 043 1 270 3.5	119 265 276 346 251 443 4.0	160 202 191 226 196 344 4.0	2.9 3.8 4.3 4.6 5.0 5.3
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more 1.52 or more 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.01 to 1.50 1.51 or more	81 305 37 596 37 390 5 231 1 088 3 225 800 2 270 78	2 218 2 039 179 2 001 1 953 48	5 737 4 025 1 404 232 76 333 253 65 6	19 457 8 855 10 025 379 198 243 163 69 5	25 371 12 945 10 202 1 936 288 381 258 93 25 5	18 375 6 767 9 456 1 894 258 186 78 70 29	7 152 3 533 2 899 669 51 57 27 17 13	1 700 660 929 81 30 - - -	1 295 811 436 40 8 24 21 3	4.0 4.0 4.0 4.5 3.8 1.3 3.4 1.1
BEDROOMS None	4 466 29 239 34 139 16 886	3 965 - - -	439 5 310 - -	62 19 227 1 518	3 649 20 942 585	915 10 379 7 140	138 1 216 6 026	- 42 1 611	- 42 1 524	1.1 3.0 4.2 5.6
YEAR STRUCTURE BUILT 1869 to March 1970 1960 to 1968 1930 to 1959 1949 or earlier	3 430 17 547 7 719 55 834	170 728 223 3 098	322 1 929 443 3 376	1 394 6 797 1 674 9 835	1 139 5 818 3 066 15 729	299 1 602 1 529 15 131	75 453 500 6 181	26 133 176 1 365	5 87 108 1 119	3.4 3.4 4.0 4.2
COMPLETE BATHROOMS 1 and 1 1/2 2 or more None or also used by another household GROSS RENT AS PERCENTAGE OF INCOME	77 535 2 113 4 842	2 160 24 2 053	5 649 59 464	18 816 49 589	24 635 329 968	17 601 421 520	6 642 394 185	1 301 365 26	731 472 37	4.0 5.9 2.3
Specified renter occupied? Less than 10 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	83 692 5 806 15 216 16 198 10 992 11 524 19 709 4 247	4 203 553 875 615 356 598 1 028 178	6 048 308 757 1 025 753 1 053 1 782 370	19 640 845 3 171 3 501 2 761 2 722 5 904 736	25 601 1 723 4 904 5 258 3 471 3 685 5 526 1 034	18 368 1 495 3 860 4 016 2 357 2 217 3 683 740	7 018 646 1 260 1 295 994 923 1 340 560	1 632 141 261 311 191 230 249 249	1 182 95 128 177 109 96 197 380	4.0 4.2 4.1 4.1 4.0 3.9 3.7 4.3

*Limited to one-family homes on less than 10 acres and no business on property.

*Excludes one-family homes on 10 acres or more

Table A-6. Units in Structure for Owner and Renter Occupied Housing Units: 1970

		Owner oc			lerived tigures	(1)		Renter occ		^~		
The SMSA	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or mare	Mobile home or trailer
All occupied housing units	122 285	109 183	12 224	878	84 530	8 689	14 409	18 879	13 399	13 702	15 390	62
ROOMS				1								
1 roam	75 145 1 041 8 461 31 695 38 604 22 792 19 472 6.0	52 49 495 5 664 26 239 35 826 22 043 18 815 6.1	16 68 401 2 242 5 320 2 778 742 657 5.1	7 28 145 555 136 - 7 - 4.0	4 219 6 070 19 700 25 752 18 561 7 209 1 700 1 319 4.0	174 141 559 1 613 2 008 2 177 1 040 977 5.4	25 104 1 130 4 365 5 362 2 816 404 203 4.8	282 535 3 086 6 608 6 502 1 655 153 58 4.3	606 989 3 133 5 374 2 883 348 34 32 3.9	1 077 1 528 5 573 4 169 1 139 138 54 24 3.3	2 049 2 773 6 189 3 603 661 75 15 25 3.0	6 30 20 6 - -
PLUMBING FACILITIES BY PERSONS PER ROOM				1								
With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more 0.50 or less 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 to more	121 317 61 346 54 943 4 629 399 968 616 302 50	108 473 53 626 50 575 3 957 315 710 432 236 42	11 996 7 108 4 140 664 84 228 157 63 8	848 612 228 8 - 30 27 3	81 305 37 596 37 390 5 231 1 088 3 225 800 2 270 78 77	8 555 3 789 4 004 675 87 134 93 36 5	14 261 6 699 6 553 879 130 148 75 63 10	18 578 8 014 8 939 1 368 257 301 140 145 6	12 587 5 659 5 458 1 196 274 812 280 481 28 23	12 984 5 878 6 120 801 185 718 103 558 18 39	14 285 7 540 6 278 312 155 1 105 102 987 11	55 17 38 7 7
BEDROOMS												
None	105 3 719 27 680 63 826 27 013	55 2 219 21 358 59 742 26 163	25 1 325 5 710 3 972 850	25 175 612 112	4 466 29 239 34 139 13 695 3 191	132 942 2 636 3 070 1 781	38 2 189 7 643 3 919 596	367 4 537 10 346 3 941 415	675 4 785 5 415 2 047 194	1 004 7 643 4 523 476 185	2 220 9 076 3 557 242 20	30 67 19 - -
YEAR STRUCTURE BUILT												
1969 to March 1970 1965 ta 1968 1960 to 1964 1950 to 1959 1940 ta 1949 1939 ar earlier	11 225 15 917 41 989 15 914	2 187 10 760 15 337 41 287 15 006 24 606	52 246 250 462 908 10 306	68 219 330 240 	3 430 10 139 7 408 7 719 9 314 46 520	141 417 564 1 594 1 394 4 579	113 377 397 949 2 234 10 339	229 1 205 1 534 1 840 2 155 11 916	370 937 658 854 1 537 9 043	850 2 963 1 443 1 300 1 145 6 001	1 727 4 219 2 796 1 157 849 4 642	21 16 25
INCOME IN 1969												
Less than \$2,000 . \$2,000 to \$2,999 . \$3,000 to \$3,999 . \$4,000 to \$4,999 . \$5,000 to \$5,999 . \$6,000 to \$5,999 . \$7,000 to \$9,999 . \$10,000 to \$14,999 . \$15,000 to \$24,999 . \$25,000 or more .	2 537 2 518 2 776 3 150 3 772 16 145 39 600 36 073 11 226	3 451 1 701 1 986 2 128 2 459 3 112 13 674 36 074 33 736 10 862 \$13 600	1 004 775 511 610 638 589 2 179 3 311 2 243 364 \$9 700	33 61 21 38 53 71 292 215 94 - \$8 700	9 454 5 156 5 068 5 101 5 782 5 998 18 492 19 779 8 180 1 520 \$7 900	585 388 395 355 413 521 1 807 2 659 1 244 322 \$9 800	1 109 536 588 735 685 997 3 448 4 518 1 546 247 \$9 200	2 160 1 117 1 112 1 200 1 450 1 328 4 148 4 474 1 685 205 \$7 800	1 976 973 944 995 1 099 976 2 711 2 550 1 033 142 \$6 700	2 027 1 175 984 884 950 990 2 774 2 459 1 225 234 \$6 800	1 592 967 1 026 921 1 185 1 181 3 593 3 108 1 447 370 \$7 700	5 19 11 5 11 11 -
YEAR MOVED INTO UNIT												
1969 to March 1970	8 344 7 083 13 922 25 132 37 203	7 858 7 630 6 395 12 916 23 182 34 403 16 752	804 592 571 841 1 746 2 696 5 061	143 122 117 165 204 104	29 553 12 005 8 178 11 295 11 094 6 719 5 646	2 686 1 186 738 1 036 1 276 1 006 764	3 601 2 277 1 240 2 070 2 069 1 770 1 359	5 885 2 835 1 948 2 549 2 597 1 451 1 292	4 682 1 623 1 513 1 871 1 789 1 083 992	5 619 1 968 1 473 1 945 1 594 577 579	7 050 2 108 1 266 1 815 1 769 832 660	30 8 - 9 - -
Specified renter occupied		•••	•••		83 692	7 851	14 409	18 879	13 399	13 702	15 390	62
Less fron \$50 \$50 to \$59 \$60 to \$69 \$70 to \$79 \$80 to \$99 \$100 to \$119 \$120 to \$149 \$150 to \$199 \$200 to \$199 \$200 to \$299 \$300 or more No cash rent Median					2 049 1 023 1 836 2 098 8 303 13 107 22 199 23 597 6 194 779 2 507 \$136	141 26 139 147 467 642 1 275 1 940 1 426 351 1 297 \$161	113 142 184 337 1 441 2 362 4 517 3 999 839 42 433 \$136	428 156 260 418 1 918 3 526 5 660 5 409 878 30 196 \$134	404 279 348 385 1 658 2 809 4 171 2 513 657 37 138 \$125	435 203 438 401 1 440 2 187 3 503 3 832 1 018 62 183 \$134	528 217 461 403 1 374 1 581 3 051 5 888 1 376 257 254 \$150	
HEATING EQUIPMENT						•	• •			•		
Steam or hot water	29 647 2 935 1 591 3 050	77 171 25 921 2 758 1 398 1 923	7 854 2 963 172 159 1 076	25 763 5 34 51	49 850 15 538 6 863 1 518 10 570 191	4 725 2 577 284 242 852 9	8 179 3 887 325 220 1 784 14	10 403 3 462 1 075 406 3 471 62	7 453 1 715 816 239 3 079 97	9 284 1 713 1 545 218 938	9 797 2 156 2 818 187 427 5	9 28 - 6 19
AIR CONDITIONING												
Room unit(s) Central system None AUTOMOBILES AVAILABLE	3 954	36 652 3 775 68 709	2 995 119 9 197	267 60 533	21 900 2 592 59 998	1 922 217 6 553	2 920 74 11 392	4 017 106 14 434	2 308 235 11 010	4 204 433 9 118	6 529 1 527 7 444	- - 47
1	57 941 11 721	39 615 54 518 11 088 3 915	6 163 3 236 600 2 312	604 187 33 36	43 734 14 351 2 240 24 165	4 334 2 743 652 963	8 211 3 250 547 2 378	10 059 3 066 418 5 014	6 393 1 515 140 5 505	6 408 1 779 193 5 375	8 298 1 991 290 4 921	31 7 - 9

Excludes one-family homes on 10 acres or more.

Table A-7. Household Composition for Owner and Renter Occupied Housing Units: 1970

	(Data basea o	n somple, see t	ext]	·	······································							
The SMSA			Male head, wif	e present, no		re-person ho	useholds Other ma	J- h4	.		One-person	households
The Smar	Total	Under 25 years	25 to	35 to	45 to	65 years	Under	65 years	Female Under	65 years (Under	65 years
A		······································	34 years	44 years	64 years	and over	65 years	and over	65 years	and over	65 years	and over
Owner occupied housing units PLUMBING FACILITIES BY PERSONS PER ROOM	122 285	839	16 525	25 771	45 740	11 218	2 786	881	5 769	2 706	4 718	5 332
With all plumbing facilities 0.50 or less 0.51 to 1.00	121 317 61 346 54 943	830 415 406	16 455 4 299 11 380	25 683 4 661 18 591	45 509 24 254 19 812	11 083 9 541 1 453	2 772 1 717 929	865 734 119	5 686 3 765	2 653 2 202	4 604 4 588	5 177 5 170
1,01 to 1.50 1,51 or more Lacking some or all plumbing facilities	4 629 399 968	9 - 9	738 38 70	2 231 200 88	1 348 95 23 1	73 16	108 18	5 7	1 800 112 9	430 5 16	16 - -	7
0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	616 302 50	9 - - -	13 53 4	19 51 18	119 108 4	135 85 45 5	14 9 5 	16 16 -	83 28 40 15	53 49 - 4	114 114 - -	155 155 - -
UNITS IN STRUCTURE	109 183	695	15 532	0.4.77			_		-	-	-	7
2 ar more	12 224 878	101 43	932 61	24 476 1 218 77	41 468 4 071 201	9 186 1 939 93	2 443 313 30	676 205 -	5 027 675 67	2 111 590 5	3 698 800 220	3 871 1 380 81
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$6,999 \$10,000 to \$14,999 \$15,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Median	4 488 2 537 2 518 2 776 3 150 3 772 16 145 39 600 36 073 11 226 \$13 300	17 13 19 9 23 28 227 380 123 -	175 39 16 81 132 197 2 845 8 268 4 150 622 \$12 900	178 64 39 58 174 338 2 630 10 311 9 433 2 546 \$14 600	305 159 170 282 607 736 4 456 14 587 18 045 6 393 \$15 900	469 650 980 929 840 863 1 998 2 007 1 655 827 \$8 300	73 50 36 44 39 77 460 843 767 397 \$13 600	34 54 43 44 28 61 169 211 186 51 \$10 200	413 180 247 332 352 435 1 296 1 454 913 147 \$9 100	211 157 147 162 132 216 495 570 474 142 \$9 000	663 236 290 360 483 537 1 138 752 202 57 \$6 600	1 950 935 531 475 340 284 431 217 1125 44 \$2 800
VALUE-INCOME RATIO Spacified owner occupied* Less than 1.5 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	105 719 26 881 26 204 18 814 11 351 9 786 12 004	685 79 179 171 68 102 86	15 321 2 195 4 239 3 890 2 436 1 797 741 23	24 036 5 727 7 050 5 277 2 973 1 958 1 035 16	40 083 14 894 11 207 6 475 3 383 2 393 1 657 74	8 740 1 581 1 227 988 934 1 347 2 614 49	2 327 780 615 359 196 168 190	610 121 119 77 37 99 157	4 845 787 806 711 480 739 1 205 117	1 969 366 258 265 218 251 606 5	3 496 241 417 425 424 559 1 287 143	3 607 110 87 176 202 373 2 426 233
Renter occupied housing units	84 530	6 891	14 494	6 429	11 505	4 646	3 633	472	10 657	1 614	16 304	7 885
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	81 305 37 596 37 390 5 231 1 088 3 225 800 2 270 78 77	6 857 1 376 5 124 285 72 34 10	14 392 2 572 9 883 1 673 264 102 4 63 12 23	6 379 856 4 146 1 142 235 50 20 17	11 316 4 668 5 614 861 173 189 89 61 21	4 \$61 2 354 2 056 97 54 85 46 33 6	3 574 1 619 1 710 176 69 59 10 29	453 276 158 19 - 19 - 13 6	10 520 3 290 6 067 963 200 137 40 72 15	1 574 945 593 15 21 40 24	14 331 12 970 1 361 	7 348 6 670 678 - - 537 188 349
UNITS IN STRUCTURE 1 2 to 4 5 to 19 20 or more. Mobile home or trailer	8 689 33 288 27 101 15 390 62	530 2 809 2 329 1 208 15	1 752 6 780 4 179 1 778 5	1 271 3 013 1 717 428	1 884 5 672 2 793 1 156	482 2 101 1 206 857	417 1 413 1 184 613	66 187 144 75	817 4 639 3 941 1 254 6	137 767 464 246	808 3 602 6 347 5 535	525 2 305 2 797 2 240 18
GROSS RENT Specified renter occupied? Less than \$50 \$50 to \$59 \$60 to \$69 \$70 to \$79 \$80 to \$99 \$100 to \$119 \$120 to \$149 \$150 to \$199 \$200 to \$299 \$300 or mare. No cash rent	83 692 2 049 1 023 1 836 2 098 8 303 13 107 22 199 23 597 6 194 779 2 507	6 828 32 35 34 61 332 802 2 344 2 815 252 5	14 338 43 30 96 127 858 1 775 4 078 5 402 1 611 92 226	6 310 9 31 76 88 554 932 1 785 1 728 728 116 263	11 300 47 75 111 187 1 090 1 909 2 982 2 945 1 121 250 583	4 610 278 48 109 123 553 718 1 025 1 148 294 44 270	3 595 33 18 50 48 313 460 927 1 173 426 56	467 10 - 10 7 75 71 144 88 16 26 20	10 595 88 44 115 349 871 1 555 3 206 3 419 779 30 139	1 597 39 20 26 53 149 316 391 357 116 30	16 231 502 314 813 715 2 227 3 268 4 017 3 464 552 73 286	7 821 968 408 396 340 1 281 1 301 1 300 1 058 299 57 413
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied? Less than \$5,000 Less than 20 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed \$5,000 to \$9,999 Less than 20 percent 25 to 34 percent 26 to 24 percent 27 percent 28 to 20 percent 29 to 24 percent 20 to 24 percent 25 percent or more Not computed \$15,000 or more Less than 20 percent 20 to 24 percent 20 to 24 percent 20 to 24 percent 20 to 24 percent	83 692 24 609 729 880 3 199 17 185 2 616 30 010 11 233 7 774 7 762 2 454 7 762 2 454 304 2 181 570 450 9 568 8 954 157 63 394	6 828 1 005 29 29 138 775 41 3 323 1 057 1 013 987 2064 1 828 195 11 30 436 436	14 338 911 17 431 667 53 5 270 2 191 1 442 1 219 314 104 5 793 4 757 807 186 43 2 364 2 250 24 16	6 310 460 28 - 98 276 58 2 153 808 594 462 172 465 2 046 263 76 80 1 232 1 141 32 19 40	11 300 964 14 82 150 616 102 3 241 1 448 859 660 128 144 3 902 3 332 310 85 175 3 193 2 903 76 55 209	4 610 1 748 105 123 352 171 1 597 535 444 433 123 62 808 634 101 36 457 402 5 144 457	3 595 1 009 16 96 800 83 1 507 379 381 472 211 64 769 602 98 59 10 310 304	467 194 12 5 15 131 31 150 56 41 31 16 6 52 52 71 66 -	10 595 5 566 57 97 536 4 198 678 3 478 811 763 1 207 639 58 1 125 898 1 80 30 17 426 407 426 407	1 597 682 20 3 74 513 72 450 203 116 86 35 10 288 245 15 4 24 177 164	16 231 5 886 236 259 859 859 3 865 667 7 621 3 358 1 838 1 846 458 121 1 993 1 737 1166 53 17 731 715 11 5	7 821 6 184 195 232 750 4 347 660 1 220 387 283 359 154 173 246 300 17 171 166

Limited to one-family homes on less than 10 acres and no business on property. ²Excludes one-family homes on 10 acres or more.

Table A-8. Persons in Owner and Renter Occupied Housing Units: 1970

	[Data based on s	ample, see text.	For minimum ba	se for derived fig	ures (percent, m	edian, etc.) and m	eaning of symbo	ls, see text]		
The SMSA	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Medion
Owner occupied housing units	122 285	10 050	32 753	22 189	24 890	16 986	9 113	4 212	2 092	3.3
BEDROOMS None and 1 2	3 824 27 680 63 826 27 013	1 481 4 351 3 450 1 021	2 035 13 295 13 711 3 225	106 6 057 13 059 2 948	81 2 845 16 813 4 983	99 958 10 232 6 083	120 4 879 4 479	35 1 290 2 700	22 19 392 1 574	1.7 2.2 3.6 4.7
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	11 225 15 917 41 989 15 914	47 269 627 2 194 1 576 5 337	484 1 690 2 723 10 828 5 512 11 516	406 1 795 2 704 8 024 3 226 6 034	625 3 397 4 055 9 364 2 721 4 728	418 2 261 3 240 6 312 1 525 3 230	216 1 098 1 608 3 256 778 2 157	97 519 685 1 330 372 1 209	14 196 275 681 204 722	3.8 4.0 4.0 3.5 2.8 2.6
UNITS IN STRUCTURE 1	. 12 224	7 569 2 180 301	27 996 4 329 428	19 961 2 118 110	23 234 1 628 28	16 014 968 4	8 582 531 -	3 892 313 7	1 935 157 -	3.5 2.4 1.8
COMPLETE BATHROOMS 1 and 1 1/2 2 and 2 1/2 3 or mare None or also used by another household	24 916 3 864	215	26 338 5 252 838 441	17 077 4 229 583 232	18 227 5 756 659 191	11 914 4 337 618 128	5 904 2 545 583 20	2 823 1 170 242 40	1 340 671 126 26	3.2 3.9 3.9 2.3
HOUSEHOLD COMPOSITION Two-or-more-person households Male head, wife present, no nonrelatives Under 25 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Other male head Under 65 years 65 years and over Female head Under 65 years for years for years and over Female head Under 65 years for years	- 100 093 839 - 16 525 - 25 771 45 740 - 11 216 - 3 66- - 2 786 - 88 47: - 5 765		32 753 26 591 288 1 696 1 347 14 832 1 786 1 230 555 4 376 2 564 1 812	22 189 19 096 303 2 997 2 334 11 591 1 871 833 614 219 2 260 1 639 621	24 890 23 493 185 6 122 7 149 9 503 534 414 345 69 983 817 166	16 986 16 278 34 3 762 7 055 5 234 193 2255 235 20 453 385 68	9 113 8 699 29 1 349 4 564 2 654 103 204 199 5 210 193 17	4 212 3 991 - 438 2 188 1 301 64 94 87 7 7 127 109 18	2 092 1 945 161 1 134 625 25 81 76 5 66 62 4	3.57 2.97 4.11 4.80 3.22 2.26 2.26 2.25 2.27 2.21
VALUE-INCOME RATIO Specified owner occupied* Less than 1.5 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	26 88 26 20 18 81 11 35 9 78 12 00	351 4 504 4 601 1 626 6 932 4 3 713	26 878 5 891 6 095 4 336 2 819 3 060 4 545 132	19 304 6 138 5 213 3 183 1 885 1 540 1 284 61	22 749 6 411 6 051 4 684 2 608 1 865 1 082 38	1 280 737	8 332 2 401 2 292 1 557 991 706 362 23	3 768 1 092 1 002 740 422 303 199	1 901 662 533 319 205 100 82	1.5 77 3.7 3.6 3.1 2.0
Renter occupied housing units	84 53	0 24 189	26 158	14 092	9 697	5 324	2 567	1 634	869	2.2
BEDROOMS None	29 23 34 13	9 14 297 9 4 814	11 411	2 223 9 248	347 5 785	2 106	116 440 2 099	- 42 245 1 324	45 90 638	1 Q 1.5 2 6 4 1
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	10 13 7 40 7 71 9 31	9 3 125 8 2 432 9 1 794 4 2 185	4 377 2 881 2 388 2 441	1 445 1 061 1 454 1 709	837 590 993 1 386	227 260 472 775	34 67 84 299 401 1 682	6 47 66 182 261 1 072	34 137 156	20 19 19 24 25 23
UNITS IN STRUCTURE 1 2 3 and 4	14 40 18 87 13 39 13 70	9 2 11: 9 3 79: 9 3 95: 12 5 19:	4 368 5 838 2 3 845 2 4 733 5 5 236	3 217 3 3 817 2 2 034 5 1 939 5 1 393	2 344 2 678 1 683 961 639	1 333 3 1 400 3 937 467	551 581 666 485 246 38	391 273 525 302 90 53	161 164 72	2.5 2.2 1.9
COMPLETE BATHROOMS 1 and 1 1/2 2 or more None or also used by another household	2 11	13 29	8 65	368	320	202	2 235 123 138	1 438 83 82	63	26
HOUSEHOLD COMPOSITION Twa-or-more-person households. Male head, wite present, no nonrelatives Under 25 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Other male head Under 65 years and over Female head Under 65 years 65 years and over 65 years and over 65 years and over 67 years and over 68 years and over 69 years and over	43 9, 6 8 8 11 4 4 11 5 12 2 12 2 10 6	65 91 92 05 46 05 07 77 77 71 114	17 76 3 23 4 31 1 11 - 5 38 3 71 - 2 56 - 2 25 - 30 - 5 83 - 1 18	0 10 42: 2 43: 5 3 7! 1 11: 8 2 55: 60: 8 81 9 11 0 2 85: 1 2 54: 1 2 30: 1	7 62 87: 83: 84: 87: 87: 87: 87: 87: 87: 87: 87: 87: 87	1 4 272 218 1 1 681 2 2 1 202 3 88 9 166 0 5 7 886 3 878 4 8	93 7 530 518	418 430 334 24 55 55 323	6 690 1137 0 358 4 170 4 170 6 36 5 36 6 36 3 143 3 135	2631 6133368 2233368 22222222222222222222222222
GROSS RENT AS PERCENTAGE OF INCO	ME 83 6 5 8 15 2 16 1 11 5 2 11 5 2 11 5 2 11 5 2 19 7 2	106 1 12 216 2 4 198 3 4 1992 2 8 524 3 8 709 8 8	25 96 19 1 75 10 5 92 17 5 20 18 3 3 18 3 3 18 3 3 18 5 3 28 18 5 3 28	9 13 95 9 1 13 12 2 90 12 3 09 3 2 11 11 1 8 51 2 29	2 9 52 4 90 7 1 90 9 2 12 4 1 42 2 1 1 82 2 1 55	9 5 248 66 377 16 1 150 10 1 308 629 12 659 14 863	2 487 221 484 571 375 333 411	15: 25: 31: 19: 24: 30:	7 123 3 163 6 155 3 105 4 118 9 166	2.5 2.4 2.4 2.3 2.1

Limited to one-family homes on less than 10 acres and no business on property. 2Excludes one-family homes on 10 acres or more.

Table A-9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970

					* * *				·
The SMSA	Total	Less than 2 months	2 up to 6 months	6 months or more	The SMSA	Total	Less than 2 months	2 up to 6 months	6 months or more
Vacant for sale	738	313	293	132	Vacant for rent	3 197	2 027	916	254
ROOMS					ROOMS				
1 to 3 rooms	11 61 91 160 415	3 16 58 73 163	4 33 29 64 163	4 12 4 23 89	1 room	362 273 1 018 901 405 182	288 167 691 533 239 88	56 91 268 291 119 76	18 15 59 77 47 18
With all plumbing facilities	726 12	309	287	130	7 rooms or more PLUMBING FACILITIES	56	21	15	20
Lacking some or all plumbing facilities	12	4	٩	1		0.074	, 770	250	200
BEDROOMS	67	54	11		With all plumbing facilities Lacking some or all plumbing facilities	2 876 321	1 778 249	859 57	239 15
None and 1	99 263 246	56 15 115 119	56 85 71	28 63 56	BEDROOMS				
YEAR STRUCTURE BUILT		ļ	İ		None	441 1 314	373 755	28 438	121
1969 to March 1970	229 111 164 234	106 57 89 61	78 35 54 126	45 19 21 47	2	1 040 479	640 283	298 125	102 71
UNITS IN STRUCTURE			055	,,,,	1969 to March 1970	576 484 236	386 340 149	156 104 73	34 40 14
12 or mare	660 78	290 23	255 38	115 17	1949 or earlier	1 901	1 152	583	166
HEATING EQUIPMENT					UNITS IN STRUCTURE				
Steam or hot water	454 209 37 8 30	205 61 30 4 13	177 93 7 4 12	72 55 - - 5	1	182 774 490 831 920	85 435 287 555 665	70 245 173 218 210	27 94 30 58 45
SALES PRICE ASKED					RENT ASKED				
\$pecified vacant for sale 1 Less than \$5,000 \$5,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$19,999 \$20,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$49,999 \$50,000 or \$49,999 \$50,000 or more Median price asked	- 9 29 87 95 154 175 84	290 5 4 37 56 67 83 38 \$31 400	240 - 4 15 37 24 62 56 42 \$31 500	103 - 10 13 15 25 25 36 4 \$30 400	Specified vacent for rent? Less than \$50 \$50 to \$59 \$60 to \$79 \$80 to \$99 \$100 to \$119 \$120 to \$149 \$150 to \$199 \$200 or more Median rent asked	3 193 112 62 358 439 415 761 841 205 \$128	2 023 77 48 191 279 237 474 602 115 \$131	916 19 9 140 122 133 247 185 61 \$124	254 16 5 27 38 45 40 54 29 \$118

Limited to one-tomily homes on less than 10 acres and no business on property. 2Excludes one-family homes on 10 acres or more.

Table A-10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970

[Data based on sample, see text. For meaning of symbols, see text]

			Sales price a	sked — Vacan	for sale!				Rent	osked - \	acant fo	r rent²		
The SMSA	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	633	9	29	87	95	154	259	3 193	174	358	439	1 176	841	205
PLUMBING FACILITIES							ľ							
With all plumbing facilities Lacking same or all plumbing facilities	537	<u>-</u> -	12	152	6 9 -	143	161	2 942 332	153 74	254 95	476 138	1 150 25	729 -	180
BEDROOMS														
None ond 1	12 31 248 246	- - -	- - 12	12 31 80 29	- 28 41	- 95 48	- 45 116	1 755 1 040 398 81	175 22 13 17	214 74 44 17	308 184 122	549 425 184 17	469 205 25 30	40 130 10
YEAR STRUCTURE BUILT														
1969 to March 1970 1960 to 1988 1950 to 1959 1949 or earlier	213 111 152 157	- - - 9	- 16 13	12 24 51	14 22 30 29	52 27 48 27	147 50 34 28	576 484 236 1 897	9 12 - 153	7 4 13 334	37 36 363	74 150 94 858	405 216 77 143	78 65 16 46
UNITS IN STRUCTURE														
1	•••	•••		•••	•••		•••	178 774 1 321 920	24 32 96 22	14 119 126 99	20 140 181 98	61 363 553 199	21 100 267 453	38 20 98 49
INCLUSION OF UTILITIES IN RENT														
All utilities includedSame or no utilities included	•••		•••	•••				1 055 2 138	118 56	189 169	155 284	390 786	163 678	40 165

Limited to one-family homes on less than 10 acres and no business on property.

²Excludes one-family homes on 10 acres or more.

Table A-11. Value of Owner Occupied Housing Units With Negro Head of Household: 1970

	(Data based on s	ampie, see te.	xt. For minin	iom base for c	ierivea tigures	(percent, med	dun, etc., una	meaning or sy	1110013, 366 107	,,,		
The SMSA	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dallars)
Specified owner occupied ¹	1 903	4	4	4	57	116	702	521	365	121	9	20 600
ROOMS 1 and 2 rooms 3 rooms 4 rooms 5 rooms 6 rooms 7 rooms 8 rooms or more Median	- 14 81 413 754 355 286 6.1	4	4		20 17 14 6	14 26 31 30 15 6.1	50 220 311 82 39 5.8	14 17 94 240 105 51 6.1	- - 39 140 75 111 6.5	- 6 15 49 51 7.3	- - - - - - 9	19 100 20 400 22 500 27 500
PERSONS 1 person	370 320 354 243 451 3.8	4	4	4	11 10 6 13 7 10	12 10 29 9 17 39 4.3	89 134 114 157 62 146 3.6 33	18 106 87 77 91 142 4.1	31 96 50 70 43 75 3.6	10 25 28 19 39 4.4	- 9 - - -	18 800 21 300 20 600 20 000 21 700 21 100 21 900
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	803 864 187 23 26 11 10	4 4	4	4 4	57 27 26 4 - - -	105 24 62 19 - 11 - -	687 294 299 83 11 15 	521 182 268 59 12 - - -	365 193 150 22 - - - -	121 66 55 - - - - - -	9	20 700 21 300 20 800 19 300
BEDROOMS None and 1	415 808	19 - -	- - -	16 -	29	45 55	180 319 186	22 71 335 97	64 102 133	20 23 100	- - -	19 200 20 800 22 300
YEAR STRUCTURE BUILT 1969 to Morch 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	131 234 660 375	- - - - 4	-	- - - - 4	- - 9 20 28	21 40 55	- 4 45 245 198 210	- 33 83 223 64 118	6 74 71 117 48 49	4 20 26 45 5 21	- 9 -	28 900 24 300 21 200 18 900 18 900
COMPLETE BATHROOMS 1 and 1 1/2	316	- - -	5 -	- - - -	58 8 - 7	87 14 - 11	622 77 6 15	449 75 - -	280 96 14 -	57 46 15	15 - - -	20 200 23 900
HOUSEHOLD COMPOSITION Twe-er-more-person households. Male head, wife present, no nanrelatives	1 521 12 242 501 105 651 105 651 11 152 11 152 11 166 167 188	4 -	4 4 4	- - - - - - - - 4 4	446 355 - 9 15 11 8 8 - 3 3 11 8 3	104 93 - 5 35 - - - 11 11 12 9	613 541 - 99 159 254 29 18 18 - 54 49 5 89 31	503 444 12 81 146 159 46 20 9 11 39 33 6 18 13	334 302 - 52 104 132 14 - - 32 27 5 31 15 16	121 102 - 5 48 44 5 10 10 - 9 9	9	21 000 21 000 21 600 20 100 21 400
INCOME IN 1969 Less than \$2,000	18 39 39 36 43 75 321 593 593	-	-	4	14 3 5 3 8 15 9	77 	140 202 184	11 11 5 16 9 16 122 189 142	26 - 9 5 9 13 108 144 42 \$15 200	 5 5 4 16 20 46 30 \$18 400	-	19 800 20 800 22 200
YEAR MOVED INTO UNIT 1969 to Morch 1970 1968 1967 1965 and 1966 1960 to 1964 1950 to 1959 1949 or earlier	27/ 18: 19/ 33: 48: 36		-	55	16 - 13 22 22 22	16 7 33 27 22	106 51 43 90 223	84 45 78 114 92 80 31	73 41 48 72 81 61	30 20 23 34 6	1	21 000 22 700 23 100 21 900 5 19 700 19 200
HEATING EQUIPMENT Steam or hot water	1 05 64 6	8	4	4 4	38	54 28 11	358 304 6	272 177 29 - 43	222 110 10 9 14	4		9 21 300 19 700 20 100
AIR CONDITIONING Room unit(s) Central system None	5	9	-	5	73	34	- 22	7	99 30 261	45	- 1	21 600 5 20 200

'Limited to one-family homes on less than 10 acres and no business an property.

Table A-12. Gross Rent of Renter Occupied Housing Units With Negro Head of Household: 1970

	[Data based o	on sample, se	e text. For m	ninimum base	for derived f	igures (percei	nt, median, et	c.) and mear	ing of symbo	ls, see text]			
The SMSA	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	to	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
Specified renter occupied	11 300	223	108	234	380	1 288	2 099	3 621	2 849	411	19	68	131
ROOMS													
1 room	230 461 2 144 4 042 3 122 1 099 100 102 4.2	12 40 79 74 18 - - 3.3	5 19 64 20 - - - 3.0	77 10 44 72 25 6 - - 3.2	16 27 18 264 50 5 - - 4.0	23 81 282 378 423 96 5 4.2	31 100 528 941 388 96 10 5 3.9	47 140 630 1 567 958 248 18 13	7 40 457 621 1 111 547 41 25 4.8	4 37 82 138 85 26 39 5.1	5 - 9 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	12 5 18 11 7 - 15	79 111 123 125 140 159 171
PERSONS													
1 person	2 380 2 630 1 937 1 604 1 153 1 596 2.8	119 35 19 31 12 7 1.4	58 29 21 - - - 1.4 7	112 40 26 12 5 39 1.6	73 71 93 61 34 48 3.0	301 281 138 108 166 294 2.9	482 583 387 292 157 198 2.5	752 899 704 519 392 355 2.7	399 590 511 498 340 511 3.4 217	62 78 29 76 43 123 4.0	- 5 - 4 10	22 24 4 7 11 	121 129 132 137 135 137
PLUMBING FACILITIES BY PERSONS PER ROOM													f
With all plumbing facilities	11 084 3 954 5 118 1 657 355 216 72 131 10	206 125 58 16 7 17 11 6	103 60 38 5 	192 61 87 44 - 42 - 42 -	363 111 178 64 10 17 6	1 236 413 449 299 75 52 25 27	2 050 792 941 255 62 49 25 21	3 609 1 353 1 683 471 102 12 5 7	2 827 853 1 493 408 73 22 - 12	411 141 167 84 19 	19 	68 45 10 6 7 -	131 129 134 129 126 88
BEDROOMS						Ì							
None	297 2 829 5 263 2 901	20 92 45 29	83 50 -	97 35 75 -	17 43 263 50	21 320 576 388	39 688 986 493	75 983 2 000 532	28 550 1 137 1 156	35 102 218	- 19	29 16	125 129 147
YEAR STRUCTURE BUILT													
1949 to March 1970 1945 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	172 530 471 1 415 1 624 7 088	5 15 24 65 114	- - 29 38 41	4 20 25 40 145	- 6 18 90 128 138	17 34 298 302 637	39 49 424 264 1 323	50 246 171 311 352 2 491	100 193 140 185 388 1 843	22 20 15 29 43 282	5 4 10	4 - 64	168 144 137 111 118 133
ELEVATOR IN STRUCTURE													
4 floors or more With elevator Walk-up 1 to 3 floors	744 387 357 10 546	186	133	16 - 16 191	57 31 26 316	134 23 111 1 171	122 25 97 2 084	130 75 55 3 460	265 213 52 2 606	20 20 - 335	- - 19	45	130 130
COMPLETE BATHROOMS									0 470	205	,,,		
l and 1 1/2 2 or more None or also used by another household	10 562 128 546	199 - 45	94 - 7	191 54	335 6 33	1 137 7 89	1 983 5 110	3 489 18 123	2 672 23 75	389 54 	19 -	54 15 10	131 107
INCOME IN 1969													
less than \$2,000 \$2,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$9,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Median	1 949 1 021 1 006 1 078 986 1 080 1 973 1 664 476 67 \$5 600	116 43 13 24 4 - 23 - - \$2000 -	65 18 8 5 - 8 4 - - - - - - - - - - - - -	70 38 21 24 22 21 33 5 - - \$3 400	88 121 20 29 29 20 43 30 16 13	252 128 170 126 96 170 212 89 33 12 \$4 700	374 151 204 222 197 236 416 236 57 6 \$5 500	560 304 309 355 350 296 664 642 124 26 \$5 800	370 156 223 244 265 279 529 569 204 10 \$6 600	42 51 33 30 22 27 62 103 28 13 \$7 000	10 - 4 5	12 11 14 9 10 - - 12 	120 121 126 129 133 126 132 143 151
YEAR MOVED INTO UNIT				İ									
1969 to March 1970 1968 1967 1967 1965 and 1966 1960 to 1964 1950 to 1959 1949 or earlier	3 807 1 315 1 274 1 836 1 903 683 418	45 50 14 22 22 22 56 35	19 10 15 18 33 - 6	81 22 26 23 47 30 16	71 40 38 78 76 19	268 143 131 243 225 147 76	612 220 259 371 440 151 45	1 287 486 376 615 644 143 79	1 221 270 356 369 372 96 86	164 57 59 85 37 34	19	20 17 - 12 7 7	139 130 132 128 125 111 107
GROSS RENT AS PERCENTAGE OF													
Less than 10 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Kot computed	393 1 429 1 718 1 283 1 898 4 012 567	35 23 26 23 28 72 16	4 13 8 5 20 43 15	17 59 29 9 44 70 6	29 65 28 35 50 161	95 183 260 102 209 342 97	87 282 367 309 338 624 92	89 514 544 401 606 1 293 174	24 277 418 338 537 1 183 72	13 13 38 56 62 214	- - 5 4 10		104 125 128 132 133 136 122
AIR CONDITIONING													
Room unit(s) Central system None	855 29 10 352	- 244	101	233	15 - 359	40 1 193	70 2 028	303 J 3 327	327 24 2 419	61 382	5 14	27 - 52	147

¹Excludes one-family homes on 10 acres or more.

Table A-13. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

	(Dold dozen o	1 Sumple, see i	XI. TOI TIIII	mam base to	derived figure	o (persent) ii		no incoming of				
The SMSA	To tal .	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
Owner occupied housing units	3 141	242	58	64	139	131	140	548	965	748	106	11 300
ROOMS 1 and 2 rooms	24 60 191 927 1 108 831	8 - 31 65 79 59	5 11 20 22	- 4 31 10 19	6 19 13 37 52 12	6 14 41 35 35	5 5 35 60 35	31 217 156	14 77 287 373 214	5 183 290 265	- 11 31 64	8 700 10 300 11 900 13 000
PERSONS 1 person	. 1 092 398 739	111 39 79 3 10	23 16 6 9 4	25 13 4 14 8	13 64 31 16 15	10 46 29 15 31	19 50 55 11 5	118 189 73 137	15 184 410 128 228	6 118 241 115 268 33	11 48 14 33	2 700 9 600 11 900 12 300 13 500 7 600
BEDROOMS Less than 3 4 or more	933 1 412	78 95	52 17	27 39 32	17 36	81 36	42 34 38	236 205	268 533 179	112 453 174	20 81	9 200 12 600 12 000
YEAR STRUCTURE BUILT 1969 to Morch 1970	- 399 719	10 38 194	4 - 10 44	- 9 55	- 14 27 98	- 14 117	12 32 96	56 141 351	152 220 589	10 140 194 404	15 34 57	13 500 12 000 10 400
YEAR MOVED INTO UNIT 1969 to March 1970 1968 1960 to 1967 1959 or earlier	281 1 500	11 87	5 49	- 6 21 23	29 - 53 78	26 6 66 42	26 12 80 28	54 281	182 115 461 224	129 65 390 133	26 12 61 15	12 400 12 200 11 800 8 600
SELECTED CHARACTERISTICS Automatic clothes washing machine Clothes dryer Dishwasher Home food freezer Owned second home With air conditioning Room unit(s)	875 560 1 170 148 690 623	56 56 19 53 38	17 - - - - -	82 	15 - 17 - 8	81 26 80 17 16	80 38 18	172 148 239 3 –	845 333 150 414 59 244 225	697 214 138 161 15 216 216	101 80 83 61 - 39 21	12 360 12 800 13 000 10 600 13 200 13 300
Central system Automobiles ovaliable: 1 2 3 or more	1 324	112	22 25		59	38 73			481 424 29	249 356 98	39 61 14	11 100 12 300 17 100
Renter occupied housing units	11 36	1 961	1 021	1 012	1 078	990	1 080	1 985	1 680	480	74	5 600
ROOMS 1 room	46 2 14 4 05 3 14	1 140 4 534 8 675 4 431	30 70 183 455 208 75	18- 18- 31:	42 1 199 5 331 4 388	15 39 193 360 26 123	3 3 17 3 43 26	74 9 368 4 731 2 564	23 253 576 571	51 166 168	- 15 17 42	4 800 3 500 4 900 5 760 6 000 6 400
PERSONS 1 persons 2 persons 5 ond 4 persons 6 persons or more Units with roomers, boarders, or lodgers	2 64 3 57 1 15 1 61	3 536 2 406 3 87 3 137	1	21 34 31 32 31 31 31	8 222 2 343 7 112 0 161	216 27 10. 196	26 34 5 13 6 13	1 496 1 694 4 195	353 726 210 338	92 189 103 91	5 16 53	3 000 5 500 6 500 6 500 6 800 4 000
BEDROOMS None	2 82 5 26	9 466	51	2 35	0 635	i 51	2 15 4 53	11 1 01	236	97 207 3 199	20	4 800 5 700 5 800
YEAR STRUCTURE BUILT 1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier	1 00	140	7	0 5		7 7 2 13	7 12 6 11	3 31	7 185	63 4 45	5	7 000 6 700 5 700 5 400
YEAR MOVED INTO UNIT 1969 to March 1970 1968 1960 1960 to 1967 1959 or eorlier	1 3: 5 0	30 25 08 82	14	8 12	9 139	2 44	6 10)4 22	7 201 5 82	8 50 4 185	46	5 600 4 900 6 100 4 800
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied ¹ Less than 15 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	1 8 1 7 1 2 1 8	22 18 83 98 3	9 8	20 28 27 1: 35 7:	7 2 14 2 15 6 58 38 78 57	9 2	21 6 52 23 59 36	30 1 97 54 30 24 76 06 56 12 31 74 2	4 89 2 60 6 14 7 2	3 437 0 22	67	
SELECTED CHARACTERISTICS Automotic clothes washing machine Clothes dryer Dishwosher Home food freezer Owned second home With air conditioning Room unit(s))]	122 1 1 11 1 188 18 195 3 184 10 1355 10	14	28 28 71 1 63		9 10	38 - 09 -	96 13 50 19 50 17	0 18 6 3 8 13 8 17 5 17	35 17 - 14 54 - 61 15 84 15 79	5 - 4 1 1 2 1 1 1	8 100 4 800 7 300 7 300
Central system	4	29 559 4 300 107 :	22 2 28 21	33 3 18 7		12	43	16 93 78 20)5 17	- 55 200 70 130 17 -	2 3	

*Excludes one-family homes on 10 acres or more.

Table A-14. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

				plumbing faci		em, median, e	tc.) and meaning o		ee text] e or all plumbing	facilities	
The SMSA	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
Owner occupied housing units	3 141	3 109	1 277	1 438	352	42	32	17	10	5	
PERSONS 1 person	253	248	243	5						•	_
2 persons3 persons	659	659 553	637 317	16 236	=	6	5 ~	5		-	-1
4 persons		523 392	43	480		-	12 4	12	- 4	-	-
6 persons or more	739	734	37	339 362	12 340	32	6 5	_	6	5	-
Median	3.7 259	3.7 253	2.1 89	4.5 111	7.0 39		• • • •			•••	-[
YEAR STRUCTURE BUILT		200	٠,		37	14	6	6	-	-	-
1969 to March 1970	12 140	12 140	_ 75	.7	5	-	· _	*-	_	_	ł
1960 to 1964	251	251	109	50 123	8 19	7	-	-	-	-	-
1950 to 1959 1940 to 1949		704 533	254 244	384 202	66 81	- 6	7		7	=	-
1939 or earlier	1 518	1 493	608	671	185	29	25	17	_	8	-1
INCOME IN 1969 Less than \$2,000	242	236	171	55	10		,				[
\$2,000 to \$2,999 \$3,000 to \$3,999	58 64	58 59	45 38	9 21	4	=	6	<u> </u>	-	-	-
\$4,000 to \$4,999 \$5,000 to \$5,999	139 131	139 131	67 75	47	15	10	5 ~	5	-	-	-
\$6,000 to \$6,999 \$7,000 to \$9,999	140 548	134 548	100 208	41 29	15 5	_	6	-	_	-	-
\$10,000 to \$14,999 \$15,000 to \$24,999	965	956 742	296	276 550	50 103	14	9	=	<u>-</u>	5	=
\$25,000 or more	748 106	106	228 49	365 45	138 12	11	6	-	6	-	-1
Median	\$11 300	\$11 300	\$9 100	\$12 200	\$13 700				•••		=
VALUE-INCOME RATIO Specified owner occupied	1 903	1 877	803	864	187	23	0.4	••		_	
Less than 1.5	565 438	550 438	141 197	320 199	83 35	6	26 15	11	10 10	5 5	-
2.0 to 2.4	320 212	314 212	124	161	24	7 5	- 6	-	-	-	-
3.0 to 3.9 4.0 or more	76	76	81 51	102 25	24	5	_	-	-	-	-
Not computed	236 56	231 56	158 51	57 _	16 5	-	5 _	5	-	=	-
HEATING EQUIPMENT										_	-
Steam or hot water Warm-air furnace	1 760 993	1 743 983	726 380	814 456	175 137	28 10	17 10	6 6	6	5	_
Built-in electric units Floor, wall, or pipeless turnace	87 43	87 43	44 32	34 11	5	4	_	-	4	-	-
Other means	258	253	95	123	35	-	5	5	-	-	-
				_	_	-	-	-	-	-	-
Renter occupied housing units PERSONS	11 361	11 145	3 973	5 148	1 669	355	216	72	131	70	3
1 person	2 380	2 235	2 110	125	_	_	145	47	98	_	_
2 persons3 persons	2 643 1 953	2 598 1 953	1 705 154	893 1 768	31	-	45	20	25	-	-1
4 persons5 persons	1 619 1 153	1 611 1 148	-	1 481 650	114 458	16 36	8 5	_ 5	8	-	-
6 persons or more Median	1 613	1 600 2.9	1.4	231 3.4	1 066 5.9	303 7.5	13	-	-	10	3
Units with roomers, boarders, or lodgers	683	658	255	367	25	11	1.2 25	9	1.2 16		
YEAR STRUCTURE BUILT											
1969 to March 1970 1965 to 1968	132 563	132 563	78 270	46 245	8 40	- 8	_	-	-	-	-
1950 to 1959	486 1 429	486 1 407	270 227 373	230 748	29 210	76	22	9	- 8	-	5
1940 to 1949 1939 or earlier	1 542 7 160	1 527 6 983	361 2 689	768 3 032	328 1 053	70 209	15 177	8 38	133	7	2
INCOME IN 1969		5 700	1 007	0 002	7 033	207	1//	30	133	6	-
less then \$2,000 \$2,000 to \$2,999	1 961 1 021	1 915	1 075	688	131	21	46	27	19	_	-
\$3,000 to \$3,999 \$4,000 to \$4,999	1 012	969 1 001	530 318	323 505	101 131	15 47	52 11	15 5	37 6	-	-
\$3,000 to \$5,999	1 078 990	1 058 981	359 344	512 411	155 180	32 46	20 9	5 5	15	4	-
\$6,000 to \$6,999 \$7,000 to \$9,999	1 080 1 985	1 050 1 937	403 561	445 985	174 328	28 63 60	30 48	15	15 39	6	3
\$15,000 to \$24,999	1 680 480	1 680 480	297 81	1 002 255	321 118	60 26	-	-	-	-	-1
\$25,000 or more Median	\$5 600	74 \$5 600	\$4 200	\$6 300	30 \$6 800	17 \$6 600	\$3 900	-	\$4 200	_	=
GROSS RENT AS PERCENTAGE OF INCOME		******	41 200	40 000	40 000	φυ σσο	ψο 700	,.,	φ+ 200	•••	
Specified renter occupied?	11 300 393	11 084 389	3 954	5 118	1 657	355	216	72	131	10	3
15 to 19 percent	1 429 1 718	1 390	58 277	184 796	114 259	33 58	4 39	.=	4 39	-	-
25 to 34 percent	1 283	1 678 1 283	381 432	870 603	362 211	65 37	40	15	22	_	3
35 percent or more	1 898 4 012	1 854 3 947	632 1 882	855 1 617	293 376	74 72	44 65	16 30	22 31	6 4	-
HEATING EQUIPMENT	567	543	292	193	42	16	24	11	13	~	-
Sleam or hot water	6 112	5 996	2 034	2 712	1 085	165	116	38	78	_	_
Built-in electric units	2 325 778	2 279 778	785 304	1 168 364	254 78	72 32	46	=	42	4	-
Other means	288 1 841	282 1 793	67 776	180 714	30 222	5 81	6 48	34	11	6	3
None	17	17	7	10	-	-	-	-	-	-	-

Limited to one-family homes on less than 10 acres and no business on property. 2Excludes one-family homes on 10 acres or more.

Table A-15. Rooms in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

	(Data based on s	omple, see text.	For minimum bo	se for derived fi	jures (percent, m	nedian, etc.) and	meaning of symb	ools, see text]		
The SMSA	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units Units with 1 or more bathrooms and complete kitchen facilities for exclusive	3 141	11	13	60	191	927	1 108	447	384	5,8
use, and direct access PERSONS	3 105	7	17	48	178	892	1 066	476	421	5.9
l person	253 659 565 527 398 739 3.7	5 6 - - -	8 5 - -	25 11 13 -4 4 7	26 80 32 31 12 10 2.4	56 274 191 187 100 119 3.2	73 196 193 195 154 297 4,0	31 50 65 71 68 162 4.6	29 37 71 43 60 144 4.7	5.6 5.3 5.7 5.7 6.0 6.3
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50	1 438 352 42 32 17	11 - 5 - 6 - - -	13 8 5 	60 25 24 - 11 - -	191 106 63 17 5 - -	917 330 468 115 4 10 -	1 092 451 465 165 11 16 11	447 146 265 36 - - -	378 211 143 19 5 6 6 -	5.8 5.9 5.8 5.8
1.51 or more BEDROOMS None and 1		-	-	83	- 17	- 17		-		,
34 ar more	1 412	-	-	-	202 15 	455 460 ~	103 817 229	22 120 181	34 316	5.0 5.8 7.2
YEAR STRUCTURE BUILT 1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier	399	11	- 13	- 7 53	- 19 50 122	4 89 237 597	 141 279 688	4 97 93 253	10 53 53 268	6.1 5.7 5.8
COMPLETE BATHROOMS 1 and 1 1/2	. 498	13 - -	17 - -	48 - -	163 15 -	836 56 14	922 144 34	361 115 -	253 168 6	5.7
Specified owner occupied* Less than 1.5	565 438 532	- - - -	11111	14 - 7 7 -	81 25 9 22 25	413 137 74 130 72	754 195 222 179 106 52	355 120 65 120 50	286 88 61 74 59	6.1 6.1 6.1 6.3 6.1
Renter occupied housing units Units with 1 or more bathrooms and	. 11 361	230	461	2 144	4 058	3 144	1 122	100	102	4.2
complete kitchen facilities for exclusive use, and direct access	10 685	82	417	2 032	3 880	3 002	1 086	85	101	4.2
PERSONS 1 persons	2 643 1 953 1 619	223 7 1.0	297 112 31 9 12 - 1.3	869 806 309 114 24 22 1.8	638 953 903 770 458 336 3.0	274 610 556 501 458 745 3.8	70 141 147 202 177 385 4.5	3 7 3 16 15 56 6.6	6 14 4 - 9 69 69	3.3 3.9 4.2 4.4 4.7 5.1
With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	3 973 5 148 1 669 355 - 216 - 72	132 125 - 7 98 98	31 21 42 22	2 128 858 1 110 114 46 16 11 5	4 025 1 566 1 665 658 136 33 25 8	3 126 875 1 515 624 112 18 9 - 6 6	1 118 358 535 221 4 4 4 - -	100 13 61 5 21 - -	97 28 45 16 8 5 - -	4.2 4.0 4.2 4.6 4.3 1.7 1.2
None	- 2 829	280 - - -	17 369 	1 936 236	370 3 461 119	 80 1 507 1 574	- 74 59 990	- 143	75	3.0 4.2 5.3
1969 to March 1970	- 1 001	14 21 24 171	141	96 324 342 1 382	58 362 668 2 970	4 114 288 2 738	34 59 1 029	5 8 87	- 102	3.3 3.5 4.0 4.4
1 and 1 1/2 2 ar more None or also used by another household GROSS RENT AS PERCENTAGE OF INCOME	1 129	'-		2 052 101	3 901 12 149	2 975 27 101	1 053 40 15	72 13 -	65 36 14	4.2 3.5
Specified renter occupied?	393 - 1 429 - 1 718 - 1 283 - 1 898	9 31 43 32 39	3 51 49	2 144 56 194 343 250 308 918 75	4 042 144 579 598 516 683 1 274 248	3 122 120 417 540 282 568 1 058 137	1 099 48 140 137 142 180 418 34	100 5 13 8 8 31 32 32	102 8 4 - 6 16 53 15	4.2 4.4 4.3 4.2 4.1 4.3 4.2 4.1

Limited to one-family homes on less than 10 ocres and no business on property. ²Excludes one-family homes on 10 acres or more.

Table A = 16. Units in Structure for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

		Owner of			derived tigores	thercent, me	ulan, etc.) and	Renter of		ext]	· · · · · · · · · · · · · · · · · · ·	
The SMSA	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to	20 units	Mobile home or trailer
All occupied housing units	3 141	1 974	1 167	-	11 361	518	1 214	3 689	2 677	2 323	940	
room	191	14 81 431 773 366 309 6.1	11 13 46 110 496 335 81 75 5.3		230 461 2 144 4 058 3 144 1 122 100 102 4.2	24 14 31 145 114 139 20 31	6 74 263 512 295 43 21 5.0	22 62 365 1 198 1 461 534 16 31	44 96 451 1 322 647 103 5	53 168 845 867 334 30 16	81 121 378 263 76 21	
PLUMBING FACILITIES BY PERSONS PER ROOM					***	4.7	5.0	4.6	4,1	3.6	3.2	-
With oil plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	3 109 1 277 1 438 352 42 32 17 10 5	1 948 831 902 192 23 26 11 10 5	1 161 446 536 160 19 6 6 		11 145 3 973 5 148 1 669 355 216 72 131 10	512 154 251 95 12 6 6	1 204 449 524 189 42 10 	3 640 1 165 1 811 559 105 49 36 13	2 626 935 1 201 390 100 51 20 31	2 280 892 953 349 86 43 10 30	883 378 408 87 10 57	-
BEDROOMS										7		
None	117 816 1 412 726	22 442 849 589	95 374 563 137	-	297 2 829 5 263 2 456 445	16 154 217 42	20 94 540 240 140	39 536 2 046 1 170 95	60 614 1 418 555 66	53 1 084 784 232 102	125 485 321 42	-
YEAR STRUCTURE BUILT												-
1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	18 136 263 719 523 1 482	10 136 238 686 382 522	8 25 33 141 960	-	172 530 471 1 432 1 628 7 128	29 4 112 83 290	10 29 66 246 863	14 51 28 537 535 2 524	20 101 96 235 340 1 885	27 147 143 365 325 1 316	111 192 171 117 99 250	-
INCOME IN 1969										1 010	250	-
Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$9,999 \$110,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or mare	242 58 64 139 131 140 548 965 748 106 \$11 300	159 18 44 50 43 85 327 608 561 79 \$12 100	83 40 20 89 88 55 221 357 187 27 \$9 800	-	1 961 1 021 1 012 1 078 990 1 080 1 985 1 680 480	70 40 47 52 39 22 68 122 46	164 83 57 82 99 136 244 250 80 19	599 303 332 387 374 357 668 514 127 28	497 213 284 299 225 221 469 364 90	510 292 230 165 189 251 385 234 67	121 90 62 93 64 93 151 196 70	
YEAR MOVED INTO UNIT	φ11 300	\$12 100	\$9 8UU	-	\$5 600	\$6 500	\$6 900	\$5 600	\$5 200	\$4 800	\$6 400	-
1969 to March 1970	500 281 317 440 743 591 293	295 183 202 338 513 356 140	205 98 115 102 230 235 153		3 835 1 330 1 274 1 836 1 898 664 475	196 60 35 92 96 36 27	366 234 102 194 220 120 59	1 049 392 482 610 630 247 121	881 239 306 422 485 147 148	872 276 268 425 391 101 64	471 129 81 93 76 13	-
\$pacified renter occupied* Less than \$50 \$50 to \$59 \$50 to \$59 \$50 to \$79 \$50 to \$79 \$50 to \$79 \$50 to \$19 \$100 to \$119 \$120 to \$140 \$150 to \$199 \$200 to \$299 \$300 or more Mo cash rent Median					11 300 223 108 234 380 1 288 2 099 3 621 2 849 411 19 68 \$131	457 13 5 4 19 14 62 123 128 49 14 26 5144	1 214 19 9 39 96 141 365 462 75 8	3 689 29 10 34 63 420 791 1 048 1 136 145	2 677 31 25 55 75 299 510 1 048 537 86	2 323 84 58 111 132 370 463 796 262 42	940 47 10 21 52 89 132 241 324 14 5 5	
HEATING EQUIPMENT					4.2.	ψιττ	4145	#154	\$130	\$117	\$135	
Steam or hot water	1 760 993 87 43 258	1 099 665 66 13 131	661 328 21 30 127	 	6 112 2 325 778 288 1 841	208 168 21 18 103	504 383 27 36 260	1 822 820 218 119 704	1 505 427 132 71 535	1 529 415 170 30 179	544 112 210 14 60	-
ATR CONDITIONING Room united					• •			Ü	,	-	-	-
Room unit(s) Central system Hone AUTOMOBILES AVAILABLE	623 67 2 475	503 59 1 465	120 8 1 010		855 29 10 428	80 462	113 1 182	169 3 362	135 3 2 490	122 8 2 267	236 18 665	
2	1 326 1 292 183 364	809 920 169 129	517 372 14 235	-	4 659 800 107 5 746	235 75 17 215	672 142 16 465	1 669 276 55 1 531	891 182 11 1 544	831 64 8 1 494	361 61 	-

Excludes one-family homes on 10 acres or more.

Table A-17. Household Composition for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

Г	Data basea o	sample, see	ext. TOT II			Two-or-mor	e-person ho	ouseho	lds					One-person h	ouseholds
			Male head	wife or	esent, no no				Other male I	nead	Fem	ale head			
The SMSA	Total	Under 25 years	25 34 yea	to	35 to	45 to 64 years	65 years and over	6:	Under 5 years	65 years and over	Unde 65 year		ears over	Under 65 years	65 years and over
Owner occupied housing units	3 141	26	3(748	1 096	164		116	21	28	9	46	139	114
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities	3 109 1 277	26		78 88 44	742 159 418	1 096 444 516	159 115 39		116 59 45	21 13 3	28 13 12	35 27	40 21 19	134 129 5	114 114 -
0.51 to 1.00	42 32 17	-		46 - 4 - 4	153 12 6 - 6	118 18 - -	5 5 	1	6 - - -	5		5 6 6	6 6	- 5 5	-
0.50 or less	1			-	-	=	5		-	-		-	-	Ξ	-
UNITS IN STRUCTURE 1	- 1 10			251 31 -	506 242 -	688 408 —	116 48 -		54 62	11 10 -		51 38 -	16 30 -	84 55 —	85 29 ~
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$110,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Median	- 6 13 13 - 14 - 54 - 74	34 47 10 10 10 10 10 10 10 10 10 10 10 10 10	- 2 5 4	5 12 7 5 71 174 108 600	5 8 5 15 15 117 271 272 40 \$13 900	14 4 17 24 58 43 184 414 287 51 \$12 500	46 2:	7 1 5 6 5 9	5 	12 - - 3 - 6		57 9 5 29 30 48 48 38 27 41 5	25	33 5 20 13 10 16 27 9 6	78 18 5 3 4 6
VALUE-INCOME RATIO Specified owner occupied Less than 1.5 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	33.	55 18 10	2 - - 6 6 - -	242 89 76 42 16 6 13	501 211 128 67 55 24 16	661 212 170 131 88 18 33	1		54 4 24 12 - 5 9	11 6 - - - 5		136 21 16 41 14 4 35 5	16 - - 5 - 11	80 8 6 - 19 15 26 6	85 -7 - - - - 47 31
Renter occupied housing units	11 3	51 7	i7 1	803	934	1 028	33	35	599	85	3	252	198	1 861	519
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	39 51 16	73 48 5 69 1	73	792 180 082 453 77 11 	934 115 471 277 71 —	1 019 314 486 168 51 9 -	15	25 22 51 42 10 10 5 5	591 284 225 78 4 8 -	85 48 30 7	,	230 657 926 532 115 22 9 7 6	192 70 108 5 9 6 6	1 733 1 630 103 	480 22 - 17
UNITS IN STRUCTURE 1 2 to 4 5 to 19 20 or more Mobile home or trailer	4 5		32 07 41 67	51 811 745 196	62 497 343 32	82 528 376 42	1	6 74 27 28	28 276 287 8 -	4		166 455 454 177	12 109 68 9	49 493 996 32-	204 228
GROSS RENT Specified renter occupied? Less than \$50 \$50 to \$59 \$60 to \$59 \$70 to \$79 \$80 to \$99 \$100 to \$119 \$120 to \$149 \$150 to \$199 \$200 to \$299 \$300 or more No cash rent	11 11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	223 108 234 380 288 099	741 13 5 10 9 51 122 272 235 24	1 794 	922 4 - 10 18 129 171 302 248 36	11 11 111 212 300 310		335 6 9 4 16 64 79 86 66 -	599 8 	1	5 3 7 0 9	231 48 24 55 185 330 529 002 892 152 5	191 14 24 32 29 46 34	21 40 63 33	7 62 2 26 1 21 9 34 5 86 3 79 2 120
GROSS RENT AS PERCENTAGE OF INCO BY INCOME Specified renter occupied? Less than \$5,000 Less than 20 percent. 20 to 24 percent. 25 to 34 percent or more. Not computed \$5,000 to \$9,999 Less than 20 percent. 25 to 34 percent. 35 percent or more. Not camputed \$10,000 to \$14,999 Less than 20 percent 20 to 24 percent 20 to 24 percent 25 percent or more. Not camputed \$15,000 or more Less than 20 percent 25 percent or more. Not camputed \$15,000 or more Less than 20 percent 25 percent or more Not camputed \$15,000 or more Less than 20 percent 20 to 24 percent 25 percent or more Not camputed \$15,000 or more Less than 20 percent 20 to 24 percent 25 percent or more Not computed \$15,000 or more Less than 20 percent 26 to 27 percent 27 percent or more Not computed	5 11 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		741 180 5 - 31 188 6 373 188 81 123 - 150 145 5 - 38 38	1 794 223 - 8 500 159 6 786 399 166 178 43 - 619 541 74 4 - 166 161 161		2 20 20 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7 7 9 9 2 2 5	335 132 4 7 44 70 7 129 37 36 41 10 5 35 - - - - - - - - - - - - - - - - -	\$99 228 12 5 32 20 283 68 63 30 	; ; ;	5	3 231 2 261 33 38 279 1 643 2 643 2 643 2 643 2 643 2 773 1 70 1 192 2 86 1 125 1 154 1 14 4 3 4 3 4 3 4 3	1 5 7 4 1 1	9 1 1 5 5 8 5 5 6 6 8 1 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

Limited to one-family homes on less than 10 acres and no business on property. ²Excludes one-family homes on 10 acres or more.

Table A-18. Persons in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

	(Data based on s	ample, see text.	For minimum ba	se for derived fig	ures (percent, m	nedian, etc.) and	meaning of symb	ols, see text]		
The SMSA	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner accupied housing units	3 141	253	659	565	527	398	301	283	155	3.7
BEDROOMS None and 1 2	117 816 1 412 726	61 107 90 32	34 361 198 44	191 158 117	101 216 97	16 305 162	40 261 52	164 141	22 - 20 81	2.3 4.6 5.0
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	18 136 263 719 523 1 482	- 8 18 18 62 147	- 34 68 158 88 311	- 17 36 131 84 297	4 24 52 148 95 204	6 25 31 100 47 189	8 13 37 88 42 113	9 21 59 53 141	- 6 - 17 52 80	3.9 3.7 3.9 3.8 3.5
UNITS IN STRUCTURE 1 2 or more	1 974 1 167 -	169 84 -	384 275 -	325 240 –	359 168	260 138 -	185 116 -	184 99 -	108 47 -	3.8 3.4 -
COMPLETE BATHROOMS 1 and 1 1/2	2 613 436 62 54	214 18 - 6	560 93 23 7	478 83 18	470 51 11 8	275 60 6 7	246 55 6 -	241 49 16 -	129 27 - 8	3.6 4.0
HOUSEHOLD COMPOSITION Two-pr-mare-person households Male head, wife present, no nonrelatives Under 25 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Under 65 years and over 56 years and over Female head Under 65 years 65 years and over Female head Under 65 years 65 years and over Female head Onder 65 years 65 years and over	26 382 748 1 096 164 137 116 21 335 289		659 507 - - 59 73 293 82 42 35 7 110 89 21	565 413 61 75 229 48 54 51 3 98 78 20	527 467 16 120 158 173 14 8 6 46 41 5	40 40	301 280 4 30 129 113 4 10 10 10	283 266 - 20 116 125 5 8 8 - 9 9	155 129 - 5 71 48 5 5 5 5 21 21	3.9 4.1 5.0 3.7 2.5 3.0 3.0 3.1 3.2
VALUE-INCOME RATIO Specified owner-occupied' Less thon 1.5 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	565 438 320 212 76 236	19	79 33 22	320 81 77 68 40 9 40 5	354 150 108 51 23 9	243 85 58 48 28 11	176 65 44 24 27 10 6	167 51 28 41 36 - 6 5	108 54 19 9 6 - 20	3.8 4.3 3.9 3.8 4.1
Renter occupied housing units	11 361	2 380	2 643	1 953	1 619	1 153	765	547	301	2.8
BEDROOMS None 1 2 3 or more	2 829 5 263	752	1 383	384 1 393 372	80 818 507	602	82 175 410	- 104 449	20 36 257	1.7 2.9 4.8
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	530 471 1 432 1 628	185 165 237 208	121 331 305	34 80 74 318 278 1 169	6 59 54 215 259 1 026	110 208	13 27 15 87 202 421	3 15 70 95 364	- 6 5 64 73 153	1.7 2.0 2.1 3.0 3.6 2.8
UNITS IN STRUCTURE 1 2 3 and 4 5 to 9 10 to 19 20 or more Mobile home or trailer	1 214 3 689 2 677 2 323 940	135 564 539 1 687	294 750 667 613	221 696 462 319	79 157 662 410 251 60	147 414 269 201	157	45 71 257 104 51 19	15 81 78 69 44 14	3.4 3.3 3.3 2.8 2.3 1.9
COMPLETE BATHROOMS I and 1 1/2 2 or mare None or also used by another household	_ 10 638 _ 128	1	16	14	1 520 21 91	12	728 - 46	471 26 15	266 30 11	2.9
HOUSEHOLD COMPOSITION Two-or-more-person households Male head, wite present, no nonrelatives Under 25 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Under 65 years 65 years and over Female head Under 65 years 65 years and over Female head Under 65 years 65 years and over	- 8 981 - 4 844 - 741 - 1 800 - 93. - 1 028 - 333 - 68 - 599 - 8 - 3 255		2 643 1 249 163 367 151 376 1970 405 351 54 985 901 88	1 048 297 378 165 165 43 119 98 21 786 704	1 3	668 85 266 145 122 46 55 55 55 422 418	216 98 73 14 51 44 7 289 284	547 361 11 156 97 78 19 10 10	102 98	3.5 2.6
GROSS RENT AS PERCENTAGE OF INCOM Specified renter occupied? Less than 10 percent. 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	11 300 - 393 - 1 429 - 1 718 - 1 283 - 1 898 - 4 013	8 8 200 3 24 35 2 1 29	82 320 379 4 308 5 438	43 318 346 198 366 591	27 21: 20: 47	55 7 17 1 21 5 13 3 22 9 31	39 4 118 3 154 4 99 0 14	4 7 10 2 5 3 11	5 2 4 5 5 8 3 5 5	5 4.1 9 3.5

*Limited to one-family homes on less than 10 acres and no business on property. ** 2Excludes one-family homes on 10 acres or more.

Table B-1. Value of Owner Occupied Housing Units: 1970

ĺc	ata based on so	mple, see text	. For minimu	m base for de	rived figures (percent, medi	an, etc.) and n	neaning of syn	ibols, see tex			
Hartford	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 10 \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)
Specified owner occupied	5 925	-	10	66	200	359	2 024	1 992	990	163	121	20 800
ROOMS 1 and 2 rooms 3 rooms 4 rooms 6 rooms 7 rooms 8 rooms or more Median	7 28 330 1 393 2 380 899 888 6.0		4 6	24 10 12 10 10	14 36 101 20 29 6.0	5 71 115 123 35 10 5.4	7 158 541 965 227 126 5.8	18 41 526 875 341 191 6.0	5 18 151 280 238 298 6.7	- 4 5 18 18 118 7.5+	- - - 5 - 10 106 7.5+	16 600 19 900 19 900 19 900 22 300 27 600
PERSONS 1 persons	658 1 771 1 125 973 619 779 3.0	-	6 - - 4 - -	18 22 12 14 -	27 85 21 26 17 24 2.4	40 122 91 57 - 49 2.7	265 604 385 338 208 204 2.8	147 637 386 336 233 253 3.0	111 235 192 176 90 186 3.3	20 19 38 26 29 31 3.7	10 41 - 14 24 32 4.2	19 500 20 400 20 700 21 000 21 400 22 200 23 300
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	'-	-	10 6 4	66 48 13 5 -	200 124 64 12 - - - -	353 209 121 23 	2 019 1 167 761 82 9 5 5	1 992 1 075 856 56 5 - -	990 575 354 57 4 	163 110 53 - - - - -	121 79 42 - - - - - -	20 800 20 700 21 000 19 800
BEDROOMS None and 1 2 3 4 or more.	2 902	- - -	- - -	- - 44 -	52 158	23 125 149 53	82 493 994 403	462 1 145 404	21 163 375 400	17 - 37 195	- 115	19 800 20 500 24 100
YEAR STRUCTURE BUILT 1969 to Morch 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	45 94 1 539 1 456	-	- - - - 10	- - 5 13 48	- 15 31 154	- - 57 130 172	- 13 553 661 797	- 17 46 619 441 869	24 30 262 169 505	6 - 5 20 4 128	5 4 8 7 97	21 100 19 400 21 200
COMPLETE BATHROOMS 1 and 1 1/2 2 and 2 1/2 3 or more None or also used by another hausehold	287	- - -	12 - - -	75 - - - -	184 8 - -	292 55 - 5	1 926 136 13 21	1 726 226 28 28 23	715 219 95	32 44 49	6 9 102 —	20 000 23 300 37 300
HOUSEHOLD COMPOSITION Twa-or-more-person households. Male head, wife present, no nonrelatives	4 285 26 - 284 851 - 2 437 - 687 287 211 - 76 695 - 497 198 658		10	48 22 - 5 13 4 - - 26 13 13 18 18	173 123 - 5 18 61 39 20 8 12 30 3 27 27 27 10	319 237 - 4 39 127 67 13 6 7 69 69 69	1 739 1 414 16 56 301 823 218 96 74 22 229 170 59 285 91	1 845 1 545 6 154 271 868 246 97 77 72 203 159 44 147 55 92	879 729 4 500 175 418 82 40 36 4 110 73 37 111 27 84	143 117 - 5 21 76 15 10 10 - 16 20 16	12 12 12 10	20 700 21 200 19 900 19 800 20 000 19 500 19 600
INCOME IN 1969 Less than \$2,000	148 123 123 142 142 257 1 083 1 759 1 466 419	-	 6 4	9	25 10 14 5 11 8 38 58 24 7 \$9 100	23 -4 11 17 28 70 152 47 7 510 900	178 82 55 52 50 79 436 651 384 57 \$10 600	61 41 25 45 58 86 383 597 588 108 \$12 500	44 15 9 39 6 43 102 268 339 125 \$14 400	6 - 4 12 - 6 22: 22: 41 4: \$16.800	20	19 100 18 800 21 200 19 300 20 400 19 800 20 100 4 22 300 2 27 400
YEAR MOVED INTO UNIT 1969 to March 1970	391 294 197 59 1 120 2 00	-	5	14 5 23 33	19	9 8 - 46 30 135	54 189 394 761	157 96 120 216 402 629 383	73 89 5 81 215 317 249	2 2 4	1 3	22 000 7 21 800 4 20 900 4 21 400 5 20 100
HEATING EQUIPMENT Steam or hot water	3 77. 1 88 4 3	8 . 5 .	- 4		64	180	868 14 6	1 428 477 10 10 67	751 224 - - 15	1 1 - -	6 2	9 21 800 7 19 200 5 19 900
AIR CONDITIONING Room unit(s) Central system None		9	-	7 2		.] -	- 25	il 25	2	5 1	12 15 18	25 20 900 9 20 500

^{&#}x27;Limited to one-family homes on less than 10 acres and no business on property.

Table B-2. Gross Rent of Renter Occupied Housing Units: 1970

	[Data based	i on sample, se	e text. For r	ninimum base	for derived	figures (perce	ınt, median, e	tc.) and mea	ning of symb	ols, see text	1		
Hartford	Tota	Less than	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to	\$100	\$120	\$150	\$20	\$30	r cash	Median
Specified renter occupied ¹	43 801	979	620	1 191	1 469	5 756	9 112	13 521	9 031	1 34	8 15:	621	125
room	11 069 11 592 10 264 2 848 377	260 200 162 53	219 154 137 77 27 6 - 2.1	600 149 162 181 88 11 -	371 194 169 526 189 20 - - 3.5	619 857 1 430 1 480 1 140 205 14 11 3.5	438 860 2 842 2 770 1 789 377 26 10 3.7	372 1 031 3 167 4 314 3 772 757 85 23 4.0	599 2 497 1 604 2 763 1 204 158 63	10 30: 30: 31: 16: 55: 67: 4.3:	66 55 57 57 1 34 15 77 27	36 56 141 108 98 85	82 111 125 124 134 150 165 195
1 person	14 982 11 956 6 291 4 618 2 813 3 141 2.1 1 763	134 38 40 30	418 119 28 33 13 9 1.2	832 147 79 40 10 83 1.2 21	820 210 168 116 79 76 1.4	2 666 1 413 507 398 300 472 1.7	3 466 2 652 1 267 796 466 465 1.9	3 459 4 063 2 427 1 687 1 005 880 2.3	2 001 2 580 1 531 1 249 760 910 2.5	322 395 160 184 103 184 2.4	66 16 9	260 177 70 66 37 11 1.8 44	111 129 133 135 135 134
PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	41 438 18 772 18 156 3 459 851 2 363 513 1 711 67 72	429	444 216 204 18 6 176 34 129	699 275 306 97 21 492 29 450	1 246 547 541 130 28 223 30 193	5 129 2 761 1 743 499 126 627 193 397 16	8 748 4 603 3 377 593 175 364 116 228	13 384 5 825 6 193 1 101 265 137 48 63 20	8 957 3 263 4 698 842 154 74 5 49	1 337 564 616 121 36 11	153 99 50 4 - -	600 390 183 14 13 21 15 6	128 122 132 129 124 82 93 74
BEDROOMS Name	3 265 17 279 15 930 7 720	221 415 139 69	213 473 110 15	669 178 313 39	363 378 591 115	729 2 472 1 641 839	430 4 214 3 384 1 306	420 5 298 6 166 2 180	201 3 267 3 019 2 570	399 277 434	- 21 21 21 21	19 164 269 132	86 122 128 139
YEAR STRUCTURE BUILT 1969 to Morch 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	1 106 2 702 2 154 3 203 5 128 29 508	6 4 41 71 270 587	37 8 24 52 106 393	6 4 47 40 94 1 000	13 29 138 284 1 005	21 17 60 436 815 4 407	15 133 166 782 1 020 6 996	167 881 779 956 1 426 9 312	710 1 316 745 615 963 4 682	114 254 166 65 107 642	14 48 61 11 -	16 24 36 37 43 465	171 161 147 122 119
ELEVATOR IN STRUCTURE 4 Hoors or more	6 015 3 652 2 363 38 179	64 64 780	45 45 766	177 14 163 1 022	270 159 111 1 177	723 253 470 4 958	713 199 514 8 621	1 598 840 758 12 466	1 802 1 539 263 7 255	499 499 611	63 63 -	61 22 39 523	138 159 115
COMPLETE BATHROOMS 1 and 1 1/2 2 or mare None or also used by another household	39 859 536 3 384	738 7 314	364 6 181	637 14 520	1 223 6 257	4 885 12 822	8 494 75 558	12 917 89 470	8 685 50 220	1 343 79 7	61	512 76 35	124 128 171 92
INCOME IN 1969 tess than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$14,999 \$25,000 or more Median	6 431 3 539 3 128 3 211 3 680 3 327 9 169 7 906 2 883 527 \$6 600	477 163 48 71 45 42 70 55 8 -	244 110 58 49 29 44 48 25 10 3 \$2 600	289 158 80 84 94 133 213 106 28 6 \$4 800	345 260 142 103 91 138 209 119 53 9 \$3 900	1 054 527 513 515 521 505 1 258 613 211 39 \$5 500	1 217 784 674 664 907 799 1 979 1 535 499 54 \$6 400	1 637 890 867 965 1 167 2 903 3 096 908 131 \$7 300	967 460 610 638 705 608 2 120 1 949 847 127 \$7 700	106 102 47 483 69 67 257 305 190 122 \$9 300	10 - 5 5 - 4 22 27 54 26 \$15 600	85 85 84 34 52 30 90 76 75 10 \$5 400	113 113 120 123 123 120 128 134 140
YEAR MOVED INTO UNIT 1969 to March 1970 1968 1967 1965 and 1966 1960 to 1964 1950 to 1959 1949 or earlier	14 355 5 402 4 280 5 920 6 687 4 116 3 019	248 123 64 157 229 142 96	137 79 70 61 119 49	335 91 161 124 165 211 84	361 135 182 173 253 114 268	1 103 592 502 845 1 037 981 659	2 221 1 048 1 051 1 309 1 519 1 157 822	4 641 1 856 1 344 1 899 2 106 954 676	4 377 1 162 762 1 091 960 344 259	701 230 87 177 148 58 28	96 20 7 31 21	135 66 50 53 130 98 91	137 130 122 124 119 109
GROSS RENT AS PERCENTAGE OF INCOME Less Ihon 10 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	2 941 7 656 7 309 5 257 6 162 12 479 1 997	224 102 80 113 131 273 56	86 99 70 72 72 72 177 44	243 273 144 53 143 300 35	199 294 157 116 193 466 44	582 1 213 1 033 497 712 1 487 232	700 1 895 1 602 1 162 1 129 2 370 254	586 2 640 2 528 1 615 1 982 3 736 434	228 1 003 1 540 1 407 1 524 3 072 257	87 122 150 187 257 525 20	6 15 5 35 19 73		104 119 127 131 131 129 122
AIR CONDITIONING Room unit(s) Central system None	8 270 751 34 758	41 1 018	35 516	83 1 088	105 1 381	584 6 5 129	1 288 29 7 810	2 953 46 10 477	2 637 187 6 131	260 316 853	7 141 35	277 26 320	139 230 121

Excludes one-family homes on 10 acres or more.

Table B=3. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970

	(Data based	on sample, see	text. For mir	nimum base fo	r derived figu	res (percent, n	nedian, etc.) (ınd meaning d	of symbols, se	e text?		
Hartford	Total	Less than	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000	\$10,00	0 \$15,000		Median
Owner occupied housing units	_ 11 916	850	526	307	526	479	556	2 202	3 420	 		(
ROOMS and 2 rooms	212	19 43 143	7 27	- 9	6 25	19	20	29		-		
5 rooms6 rooms	4 434	273	114 243	47 130	72 195	65 198	20 62 242	235 940	363	126		
/ rooms or more	- 3 645 - 2 350	217 155	100 35	76 45	153 75	147 50	160 72	655	1 158	827	152	10 000
PERSONS 1 person					["	30	/2	338	529	729	322	13 800
2 persons	3 790	563 167	264 214	95 164	164 254	82 246	95	194			,	2 900
3 and 4 persons	1 191	97	29 15	26 14	83	91	271 136	888 693	1 014		78	9 000
6 persons or moreUnits with roomers, boarders, or lodgers	- 1 415	20	4	18	21	25 35	20 34	215 212	351 447	358	109	12 800 13 600
BEDROOMS	429	50	18	5	43	24	31	104	82	1	151	14 400 8 300
Less than 3	5 159	491	360	250	201	,,,]	}	, ,	0.300
4 or more	4 608 2 078	285 36	92 23	103	281 151	158 137	295 214	899 923	1 463 1 453		102	9 500
YEAR STRUCTURE RIGHT		30	23	49	36	19	35	338	494	756	162 292	11 400 15 100
1969 to March 1970	32	5	4	_	_			•	ĺ		ł	
		14 32	65	4 36	20	14	16 57	45	109	14	10	10 500
1949 or earlier	9 945	799	457	267	63 443	47 414	57 477	311 1 837	565 2 742	443 2 027	74	12 100
YEAR MOVED INTO UNIT 1969 to March 1970	901								1 7-12	2 02/	482	10 500
1968	593	30 43 154	11 /	13	63 14	55 21	50 21	167	302	184	33	11 100
1959 or earlier	3 622 6 826	154 641	78 461	45 204	120 322	151	139	111 740	273 1 133	71 852	26 210	11 300 11 700
SELECTED CHARACTERISTICS	1		101	204	322	313	351	1 210	1 727	1 288	309	9 800
Automatic clothes washing machine	0.55	571	289	364	364	219	385	1 769	2 935			
Dishwasher		121 42	80 19	59 17	137 37	59 68	81	599	1 040	2 414 1 141	459 277 i	11 600 13 200
		64 62	37	54 20	54	81	59 74	202 337	512 647	626 621	251 157	14 600 12 900
Room unit(s)	3 586	138 138	68	76	124	119	55 127 127	177 564	278 1 160	223 965	56 245	11 900
Automobiles available:	143	136	68	70 6	116	119	127	557	1 122	926	200	12 500 12 300
2	6 257	377	246	103	220	200			38	39	45	18 200
3 or more	3 242 5 9 0	69 14	42	12	58	280 93 12	338 97	1 426 488 51	2 080 1 067 93	1 051 1 039 265	136 277	10 300 13 600
Renter occupied housing units	43 889	6 443	3 539	3 128	3 211	3 689	3 332				149	19 500
ROOMS 1 room		İ				***	3 331	9 180	7 942	2 891	534	6 600
2 (UUIII	3 123 4 270	644 929	312 467	255 310	234	251	293	811	209	89	25	5 500
3 rooms	11 074 11 611	1 998 1 584	1 055	912	351 846	477 1 089	399 764	785 2 238	363 1 586	146	43	5 200
5 rooms or more	10 297	1 001	1 012 553	755 641	845 747	1 000	899 725	2 536	2 195	485 634	101 151 111	5 700 6 700
PERSONS	3 514	287	140	255	188	239	252	2 177 633	2 680 909	1 029 508	111	8 200 8 900
l person	14 992	3 703	1 738	1 325	1 100				ļ	ĺ		
2 persons 3 and 4 persons 5 persons	11 972 10 954	1 347 931	928	770	1 190 847	1 544 896	1 257 902	2 777 2 671	1 045 2 612	283 888	130	4 600
5 persons6 persons or more6	2 813 3 158	194	591 139	603 209	759 186	791 169	695 223	2 496	2 791	1 134	111	7 300 8 300
Units with roomers, boarders, or ladgers	1 775	268 509	143	221	229	289	255	570 666	779 715	306 280	38 92	8 500 7 800
BEDROOMS	'''	309	151	162	189	162	141	267	136	58	-	4 300
None	3 265	532	346	150	250	210				İ		
	17 299 15 953	2 990 1 757	346 1 717 1 128	1 499	1 615	313 1 860	1 235	882 3 436	344 1 890	63 790	43 267	6 100 5 400
3 or moreYEAR STRUCTURE BUILT	7 760	706	413	936 567	1 136 341	1 411 502	1 432 432	3 546 1 692	3 441	961	205	7 100
1969 to March 1970	, ,,,			ł				1 0/2	722	1 012	173	8 600
1950 to 1959	1 106 4 856	141 530	60 318	79 384	93 277	83	118	237	177	111	7	6 800
1949 or earlier	3 219 34 70B	540 5 232	290 2 871	174	255	431 321	332 231	1 102 645	909 554	420 161	153	7 400
YEAR MOVED INTO UNIT		3 232	2 6/1	2 491	2 586	2 854	2 651	7 196	6 302	2 199	48 326	6 100 6 500
1969 to March 1970 1968 1960 to 1967	14 387	2 248	1 364	1 084	1 185	1 323	, , , , ,					
1960 to 1967 1959 or earlier	5 417 16 883	729 2 517	496 1 149	320 1 127	361	391	1 097 321	2 911 1 206	2 304	782 447	89 73	6 000 7 200
GROSS RENT AS PERCENTAGE OF INCOME	7 176	1 015	545	590	1 139 497	1 380 517	1 358	3 569 1 438	3 332 1 337	1 083	229	6 800
	43 801		_ [ĺ	ĺ		1	, 700	1 337	609	95	6 800
15 to 19 percent	10 597	6 431	3 539 10	3 128 25	3 211 97	3 680	3 327	9 169	7 906	2 883	527	6 600
25 to 34 percent	7 309 5 257	29	57 145	25 70 104	134	104 362	322 731	1 979 3 469	4 944 2 336	2 604 145	512	12 800 9 000
	6 162 12 479	146 4 795	274	579	258 1 186	809 1 691	982 1 096	2 438 1 100	452	40	5	7 400
101 computed +	1 997	1 461	2 968 85	2 266 84	1 502 34	662 52	166	93	76 22	14	-1	5 500 2 500
ELECTED CHARACTERISTICS utomotic clothes washing machine				- ']	~~	52	30	90	76	75	10	2000-
ishwasher	18 370 4 239	1 596 210	1 081 248	1 397	1 381	1 425	1 385	4 266	ا فود پ	, .00		,,,,
Ome food freezer	1 777 2 419	84 324	116	293 86	252 79	128 85	286	962	4 138 1 179	1 408 543	293 138	7 600 9 200
ith air conditioning	1 244 9 025	162	116 283 22 523 474	140 85	163 42	214	21 78 63 605	454 463	291 527	336 207	225	9 800 7 0 00
Central system	8 274	760 702	523 474	499 493	439	697	63	275 2 113	227 2 107	1 072	151 210	9 300 8 400
]	751	58	49	473	414 25	670 27	559 46	1 995 118	1 938	899	130	8 200
	20 457 3 635	1 431	789	955	1 271	1 727	1 601	J	169	173	80	11 400
	3 635 568	200 99	105 32	153 28	160 12	114	220	5 508 784	5 318 1 050	1 647 710	210 139	8 300 10 400
Excludes one-family homes on 10 acres or i	more.				14	41	43	72	117	116	8	8 200

¹Excludes one-family homes on 10 acres or more.

Table B-4. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units: 1970

		sample, see text		plumbing facil		om, median, e	sic.) ond medining		e or all plumbing) facilities	
Hartford	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0,50 or less	0.51 to 1.00	1,01 to 1.50	1.51 or more
Owner occupied housing units	11 916	11 805	6 582	4 497	662	64	171	78	33	_	-
PERSONS 1 persons 2 persons 3 persons 4 persons 5 persons 6 persons cr more Median Units with rocmers, boarders, or lodgers	1 415 2.8	1 557 3 769 2 164 1 781 1 125 1 409 2.8 423	1 545 3 688 1 134 138 77 - 2.0 209	12 75 1 030 1 634 989 757 4.2	- - - 55 598 6.6 30	- 6 - 4 54 	40 21 32 6 6 6 2.2	40 21 17 - - 6	15 6 6 6 	-	
1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier.	55 151 1 659 1 939	33 55 145 1 652 1 939 7 995	22 31 62 837 978 4 622	18 64 703 826 2 895	5 6 12 104 129 440	6 7 8 6 38	- 6 7 1'3	- 6 - 73	- - 7 37	-	-
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,599 \$3,000 to \$3,599 \$4,000 to \$4,999 \$5,000 to \$5,999 \$5,000 to \$5,999 \$5,000 to \$6,999 \$7,000 to \$6,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Mediar.	526 307 526 479 556 2 202 3 420	828 516 307 521 474 544 2 199 3 372 2 478 566 \$10 800	731 459 272 428 365 403 1 290 1 490 915 239 \$8 500	82 42 35 83 81 112 791 1 644 1 345 282 \$13 100	15 15 - 24 21 109 223 213 42 \$13 300	10 4 8 9 25 5	22 10 -5 5 12 3 48 6 -5	22 10 5 5 12 3 15 6	33		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
VALUE-INCOME RATIO Specified owner occupied Less than 1.5 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	5 925 1 993 1 294 812 559 364 730 173	5 914 1 593 1 289 806 559 364 730	3 393 834 647 489 374 270 616 163	2 268 1 048 595 277 161 85 97 5	235 107 42 31 24 9 17	18 4 5 9	11 5 6 - -	11 5 6	-	-	-
HEATING EQUIPMENT Steam or hat water Warm-air turnoce Built-in electric units Floor, wall, or pipeless turnace Other means None	7 554 3 269 106 137 846	7 485 3 243 101 137 835 4	4 299 1 717 49 69 444 4	2 783 1 307 48 63 296	367 195 - 5 95	36 24 4 	69 26 5 - 11	58 15 5 	11 11 -	 	-
Renter occupied housing units	43 889	41 526	19 002	18 197	3 476	851	2 363	513	1 711	67	72
PERSONS 1 persons 2 persons 3 persons 5 persons 6 persons 6 persons Common or more Median Units with roomers, baarders, or lodgers	14 992 11 972 6 310 4 644 2 813 3 158 2.1 1 775	13 087 11 711 6 256 4 596 2 770 3 096 2.2 1 706	11 648 6 695 605 25 9 - 1.3 603	1 419 4 929 5 496 4 203 1 745 405 3.0	151 315 888 2 122 5.8	87 14 53 128 569 7.1	1 905 261 44 43 43 62 1.1	352 153 5 - 5 - 1.2 23	1 553 75 32 38 13 - 1.1	- 6 5 12 44	36 - 5 13 18
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1966 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	1 023 2 743 2 167 3 214 5 047 29 669	1 009 2 730 2 159 3 173 4 913 27 533	495 1 305 1 108 1 255 1 854 13 007	481 1 330 981 1 460 2 353 11 535	33 53 46 345 539 2 470	42 24 113 167 521	14 13 8 41 134 2 136	 8 14 45 418	14 13 	 14 54	5 62
INCOME IN 1969 Less ihan \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$5,000 to \$5,999 \$7,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Median	6 443 3 539 3 128 3 211 3 689 3 332 9 180 7 942 2 891 534 \$6 600	5 731 3 279 2 986 3 033 3 517 3 081 8 596 7 752 2 823 \$6 700	3 657 1 932 1 478 1 439 1 719 1 510 3 638 2 611 836 182 \$5 600	1 911 1 085 1 181 1 258 1 384 1 219 4 041 4 218 1 646 254 \$7 800	270 212 253 285 310 303 755 766 268 54 \$7 400	93 50 74 51 104 49 162 157 73 38 \$7 100	512 260 142 178 172 251 584 190 48 6	151 50 37 34 72 66 34 52 11 6	351 182 105 124 96 172 525 111 45	17 -4 4 6 18 6 12	10 11 16 7 7 21
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied? Less than 10 percent	43 801 2 941 7 656 7 309 5 257 6 162 12 479 1 997	41 438 2 664 7 028 6 964 5 102 5 894 17 910 1 876	18 972 808 2 538 2 837 2 259 2 830 6 604 1 076	18 156 1 409 3 727 3 273 2 294 2 435 4 379 639	3 459 327 623 706 443 524 734 102	851 120 140 148 105 105 193 39	2 363 277 628 345 155 268 569 121	513 34 58 107 46 61 136	1 711 216 542 223 98 195 387 50	67 12 11 6 7 6 25	72 15 17 9 4 6
HEATING EQUIPMENT Steam or hot water. Worm-oir turnace. Bulli-in electric units. Floor, wall, or pipeless turnace Other means. None	26 355 6 940 2 692 792 6 970 140	24 661 6 671 2 676 771 6 628 119	11 872 2 885 1 207 257 2 722 59	10 334 3 168 1 280 427 2 933 55	2 040 478 114 70 769 5	415 140 75 17 204	1 694 269 16 21 342 21	270 27 5 5 195	1 372 223 11 101 4	6 14 - 16 25 6	46 5 - 21

Limited to one-family homes on less than 10 acres and no business on property.

²Excludes one-family homes on 10 acres or more.

Table B-5. Rooms in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Hartford	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Med
Owner occupied housing units Units with 1 or more bothrooms and complete kitchen facilities for exclusive	11 916	18	19	212	1 238	4 434	3 645	1 178	1 172	
use, and direct accessERSONS	11 682	15	26	152	1 212	4 373	3 478	1 270	1 156	
person	1 597	12	10	105						
persons	3 790 2 196	16	19	105 75	296 i 560	554 1 633	363 1 050	123 278	125 188	
personspersons	1 787	-]	-	19 9	195 115	831 701	728 641	206	217	
persons or more	1 131 1 415	-	-	4	55 17	389 326	412	183 133	138 138	
LUMBING FACILITIES BY PERSONS PER ROOM	2.8			1.5	2.1	2.5	451 3.1	255 3.4	366 3.9	
fith all plumbing facilities	11 805	18						l		
0.50 or less	6 582 4 497	-	19 19	204 97	1 222 851	4 396 2 159	3 613 2 115	1 173	1 160	
1.01 to 1.50	662	12	-1	94	299	1 911 303	1 275	602 521	739 385	
ocking some or all plumbing facilities 0.50 or less	111	6	-	4	8	23 38	14	50	27 9	
0.51 to 1.00	78 33	-	-	8	5	28	32 26	5 5	12	
1.01 to 1.50	_	-	-	-	11	10	6	-	6	
EDROOMS			- 1	•	-	-	-]	-	-	
one and 1	724	_	_	319	264	00				
	4 435 4 608	_	_[-	846	99 2 852	42 591	107	39	
or moreEAR STRUCTURE BUILT	2 078	~-	-	-	39	1 149 37	2 888 532	473 415	59 1 094	7.5
269 to March 1970]			. 074	/.:
700 10 1968	32 246	-	-	- 5	4 33	13		4	n	
750 to 1959	1 693 9 945	18	19	11	156	128 724	66 634	14	52	
OMPLETE BATHROOMS			"[196	1 045	3 569	2 945	1 044	1 109	
and 1 1/2	10 202	21	26	140	1 131	4 194	2.1.5			
one or also used by another household	1 523 217	-		12	94	4 134 254	3 145 342	1 007 263	598 558	
ALUE-INCOME RATIO				*'	34	101	41	6	14	;
Specified owner occupied		7	_	28	330	1 393	2 380			
5 to 1.9 0 to 2.9	1 993 1 294	=		-	97 73	368 334	825	899 358	888 345	
.0 ar more ot computed	1 371 1 094	7		7 16	103	405	557 513	174 194	156 205	
	173	-	-	5	10	277 9	387 98	128 45	176	5
Renter occupied housing units	43 889	3 123	4 270	33						·
Units with 1 or more bothrooms and complete kitchen facilities for exclusive		7 120	7 2/0	11 074	11 611	10 297	2 865	377	272	3
use, and direct access	39 927	1 384	4 024	10 394	10 984	9 842	2 724	200		_
ERSONS						, 572	2 /24	320	255	3
person	14 992 11 972	2 972 123	3 127 906	5 563	2 038	1 005	211	34	42	2
persons	6 310 4 644	14	157	4 098 929	3 679 2 493	2 492 2 106	581 520	59	34 33	3
persons or more	2 813 3 158	7	51 19	320 115	1 909 900	1 773 1 311	481 387	58 78 42	25	4
iculuit	2.1	1.0	10 1.2	1.5	592 2.5	1 610 3.3	685 3.8	106	32 106	5
LUMBING FACILITIES BY PERSONS PER ROOM fith all plumbing facilities	*			:	***	0.0	3.0	4.0	4.6	•
	41 526 19 002	1 527	4 010 2 937	10 937	11 399	10 165	2 850	377	261	3
1.01 to 1.50	18 197 3 476	1 419	851	5 457 5 007	5 569 4 368	3 439 5 148	1 312 1 113	151 191	137	. 3
Ocking some or all alumbian facility	851 2 363	108 1 596	151 71	315 158	1 224 238	1 366 212	394 31	10 25	16	3
0.51 to 1.00	513 1 711	-	260 190	137 106	212 148	132 58	15	-	11	3
1.01 to 1.50 1.51 or more	67	1 553	55 6	20 5	34 25	42 23	7 8	-	11	3 1
EDROOMS	′2	43	9	6	5	9	-	-	-	
one	3 265	2 903	319							٠
	17 299 15 953		3 530	10 982	2 186	527	74	-	-	1.
or moreEAR STRUCTURE BUILT	7 760	_ [_	1 036	8 880 360	5 533 4 353	482 2 315	475	22	3. 4.
769 to March 1970							2 313	4/3	257	5.
50 to 1959	1 106 4 856	74 430	216 972	647 2 229	134	27	8	_		2.
-/ Of Edition	3 219 34 708	120 2 499	266 2 816	948	852 1 208	277 522	63 113	10 26	23 16	3. 3.
OMPLETE BATHROOMS		- ""	2 010	7 250	9 417	9 471	2 681	341	233	4.
ind 1/2	39 939	1 498	4 068	10 458	11 021	0.00				
ic or also used by another household	3 384	17 1 624	23 344	30 376	108	9 831 102	2 650 92	269 51	144 117	3. 5.
OSS RENT AS PERCENTAGE OF INCOME	.		~~	3/6	567	361	93	5	14	5. 1.:
Specified renter occupied?	43 801 2 941	3 123	4 265	11 069	11 592	10.64				
o 19 percent	7 656	353 679	195 470	411 1 555	752	10 264 905	2 848 274	377 10	263 41	3.4 4.2
o 34 percent	7 309 5 257	454 288	714 540	1 682 1 452	2 189 1 931	2 150 1 990	518 469	85 64	10	4.0 3.9
percent or more	6 162 12 479	444 797	733	1 452 1 519 3 979	1 325 1 722	1 171 1 298	418 340	35 82	28 24	3.8 3.7
	1 997	108	284	471	3 127 546	2 418 332	673	63 38	93	3.7 3.5

Table B-6. Units in Structure for Owner and Renter Occupied Housing Units: 1970

1	(Data based on s	Owner occ						Renter occ				
Hartford				Mobile						10.44	00	Mobile
	Total	1 unit	2 units or more	home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	home or trailer
All occupied housing units	11 916	6 118	5 798	-	43 889	1 129	4 732	10 764	9 693	8 408	9 163	-
ROOMS												
1 room	18 19 212 1 238 4 434 3 645 1 178 1 172 5.5	7 	11 19 179 886 3 000 1 204 263 236 5.1	111111111	3 123 4 270 11 074 11 611 10 297 2 865 377 272 3.8	80 22 126 225 234 253 92 97 5.0	15 60 252 1 162 2 118 884 160 81 4.9	124 315 1 178 2 947 4 793 1 295 76 36 4.7	421 690 2 038 3 989 2 238 292 10 15 3.9	806 1 129 3 658 2 030 641 92 34 18 3.1	1 677 2 054 3 822 1 258 273 49 5 25 2,7	-
PLUMBING FACILITIES BY PERSONS PER ROOM										~ 057	0 100	
With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	4 497 662 64	6 102 3 476 2 373 235 18 16 16	5 703 3 106 2 124 427 46 95 62 33	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	41 526 19 002 18 197 3 476 851 2 363 513 1 711 67 72	1 110 430 532 124 24 19 19	4 692 2 278 1 968 379 67 40 20 10	10 602 4 247 5 095 1 042 218 162 77 80 5	9 083 3 891 3 830 1 113 249 610 219 340 28 23	7 857 3 637 3 413 636 171 551 93 401 18 39	8 182 4 519 3 359 182 122 981 85 880 11	-
BEDROOMS				1	3 265	80	20	125	430	823	1 787	
None	724 4 435 4 608	162 1 360 2 976 1 631	562 3 075 1 632 447	-	17 299 15 953 6 877 883	237 355 493 173	660 2 562 1 094 174	2 199 5 760 2 972 245	3 305 3 993 1 862 128	5 017 2 106 336 143	5 881 1 177 120 20	-
YEAR STRUCTURE BUILT			.,		1 104		20	. 14	37	165	870	_
1969 to Morch 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1959 1939 or earlier	79 167 1 693 1 957	16 49 99 1 563 1 514 2 877	16 30 68 130 443 5 111	-	1 106 2 702 2 154 3 219 5 148 29 560	33 5 179 208 704	30 66 189 816 3 611	128 155 953 1 441 8 073	168 169 548 1 127 7 644	749 537 699 924 5 334	1 594 1 222 651 632 4 194	
INCOME IN 1969						***	F0.4	1 425	1 541	1 615	1 170	_
Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$14,999 \$25,000 or more	526 307 526 479 556 2 202 3 420 2 484 566	358 160 128 175 161 273 1 109 1 812 1 507 435 \$11 900	492 366 179 351 318 283 1 093 1 608 977 131 \$9 500	-	6 443 3 539 3 128 3 211 3 689 3 332 9 180 7 942 2 891 534 \$6 600	126 108 60 74 83 36 172 280 150 40 \$8 400	536 216 194 265 275 324 1 020 1 358 462 82 \$8 600	1 435 777 687 770 906 785 2 301 2 283 744 76 \$7 000	1 561 768 763 808 891 732 1 905 1 586 591 88 \$6 100	974 778 680 749 651 1 558 1 010 320 73 \$5 200	696 646 614 785 804 2 224 1 425 624 175 \$6 800	
YEAR MOVED INTO UNIT											0.040	
1969 to March 1970 1948 1967 1965 and 1966 1960 to 1964 1950 to 1959 1949 or earlier	593 555 1 023 2 044 3 283	430 300 204 596 1 160 1 939 1 543	471 293 351 427 884 1 344 2 000	-	14 387 5 417 4 287 5 920 6 676 3 862 3 314	326 144 56 156 173 125 69	1 147 773 366 642 765 689 432	2 785 1 427 1 077 1 551 1 792 1 019 864	3 118 1 116 1 103 1 289 1 440 835 839	3 071 991 985 1 247 1 228 470 512	3 940 966 700 1 035 1 278 724 598	-
GROSS RENT						1 041	4 732	10 764	9 693	8 408	9 163	_
Specified renter occupied' Less than \$50 \$50 to \$59 \$60 to \$69 \$70 to \$79 \$80 to \$79 \$100 to \$119 \$120 to \$149 \$150 to \$199 \$200 to \$199 \$200 to \$299 \$300 ar more No cosh rent					43 801 979 620 1 191 1 469 5 756 9 112 13 521 9 031 1 348 153 621 \$125	28 10 15 29 74 121 247 224 122 15 156 \$140	50 42 64 98 480 793 1 639 1 351 147 68 \$135	159 95 122 268 1 306 2 463 3 479 2 518 279 9 66 \$128	285 150 244 314 1 305 2 400 3 355 1 361 187 	269 172 349 369 1 345 1 964 2 566 1 185 94 - 95 \$117	188 151 397 391 1 246 1 371 2 235 2 392 519 129 144 \$130	
HEATING EQUIPMENT						,	0 (07	£ 7/0	5 201	5 884	6 195	_
Steam or hot water	3 269 106 137 846	3 940 1 912 50 34 178	3 614 1 357 56 103 668	-	26 355 6 940 2 692 792 6 970 140	610 318 30 18 153	2 697 1 082 62 92 795 4	5 768 2 134 357 243 2 227 35	5 201 1 256 287 189 2 668 92	1 025 576 135 784	1 125 1 380 115 343 5	-
AIR CONDITIONING			1.054		8 274	265	737	1 347	1 059	1 482	3 384	_
Room unit(s)	[143	2 187 105 3 880	1 256 38 4 476		751 34 838	22 762	7 7 4 070	21 9 147	52 8 629	38 6 984	611 5 246	-
1	3 242	3 256 1 900 405 611	3 001 1 342 185 1 242	11(11)	20 457 3 635 568 19 203	488 156 26 379	2 627 682 115 1 390	5 328 1 157 210 3 820	4 217 639 100 4 784	3 280 364 63 4 797	4 517 637 54 4 033	- - - -

*Excludes one-family homes on 10 acres or more.

Table B-7. Household Composition for Owner and Renter Occupied Housing Units: 1970

(6)	ita based on s	ample, see lexi	, FOI MINIMINE	11 5430 101 021	Two-or-more							One-person h	ouseholds
	-	Ma	le head, wife p	present, no no	nrelatives		Other r	nale head	F	Female hea	ıd		
Hartford	Total	Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over			65 years and over	Under 65 years	65 years and over
Owner occupied housing units	11 916	84	687	1 512	4 491	1 648	359	168		873	497	580	1 017
DUMBING BACHITIES BY PERSONS PER ROOM	11 805	84	687	1 507	4 469	1 627	359 226			867 605	485 381	561 556	996 989
0.50 or less	6 582 4 497	24 56	119 480	209 998 287	2 053 2 156 218	1 291 315 21	110	34		237 22	99 5	5 -	7
1.01 to 1.50	662 64 111	4 -	88 - -	13 5	42 22	21	-			3 6 6	12 12	19 19	21 21
1.51 or more Lecking some or all plumbing facilities 0.50 or less 0.51 to 1.00	78 33		-	5	5 17 	10 11	-	·	-	-	'-	-	
0.51 to 1.00 1.01 to 1.50 1.51 or more	-	_	-	-	_	-	-		-	-	-	_	-
UNITS IN STRUCTURE 1	6 118 5 798	26 58 	293 394	876 636 -	2 516 1 975 -	724 924 	21 14			512 361 -	198 299 -	233 347 —	453 564 -
INCOME IN 1969 Less than \$2,000	850 526 307 526 479 556 2 202 3 420 2 484 566 \$10 700	5 5 18 42 14	15 	8 11 4 5 32 29 327 568 420 108 \$13 000	52 22 37 55 121 132 632 1 760 1 351 329 \$13 400	96 160 114 159 110 129 359 276 180 65	1 9 10 9	1 1 5 5 5 5 4 4 4 4 9 4 9	2 2 4 5 1 5	59 33 20 49 63 102 212 183 141 11	41 22 20 40 32 34 127 74 97 10 \$8 400	109 52 35 34 58 72 128 80 12 - \$6 000	454 212 60 130 24 23 66 24 15 9 \$2 300
VALUE-INCOME RATIO Specified owner occupied Less ihon 1.5	5 925 1 993 1 294 812 559 364 730 173	26 5 8 7 6 	284 65 85 46 41 22 20 5	851 371 207 142 72 28 31	2 437 1 078 640 313 197 99 96 14	687 183 109 81 86 56		11 1 13 2 26 9	8 22 6 - 8 12 -	497 132 95 91 40 61 72 6	198 38 42 31 37 19 31	7 28 25 30 39	441 15 7 27 22 23 224 123
	43 889	2 507	5 443	3 080	5 438	2 13	4 2 1	29 2	84	6 908	974	10 392	4 600
Renter occupied housing units PLUMBING FACILITIES BY PERSONS PER ROOM	""				£ 220	2 06	7 20	96 2	73	6 824	946		4 255
With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1,50 1.51 or more	3 476 851 2 363 513 1 711 67	68 21 10 6	5 381 676 3 482 997 206 62 4 23 12 23	3 034 343 1 864 665 162 46 16 17	5 332 1 825 2 832 524 151 106 50 28 10	91 1 03 7 4 6 4 2	7 8 2 1 0 5 1 7 0	80 1 43 1 35 38	50 04 19 11 5 6	1 682 4 131 837 174 84 18 41 15	48 44 1: 2:	988 5 9 8 1 560	3 824 431 - 345 86 259
UNITS IN STRUCTURE 1	1 129 15 496 18 101 9 160	875	108 2 483 2 135 717	115 1 511 1 260 194	240 2 815 1 806 577	99 74 31	15		5 111 103 65	213 2 907 3 152 636	2 44 33 17	1 4 632	1 031 1 883
GROSS RENT Specified renter occupied? Less than \$50 \$50 to \$59 \$60 to \$69 \$70 to \$79 \$80 to \$99 \$100 to \$119 \$120 to \$149 \$150 to \$199 \$200 to \$299 \$300 or mare	9/ 62: 1 146 5 75 9 11 13 52: 9 03 1 34	9 26 0 17 1 16 9 18 6 194 2 421 756 18 36	481 1 011 2 062 1 443 211	3 063 4 10 53 52 348 638 1 135 673 110 19	5 434 20 555 62 78 658 1 241 1 845 1 097 222 27	3 4 6 3	44 30 36 63 30 85 34	129 33 18 37 26 212 355 660 642 100 21 25	284 10 7 46 59 116 36	6 883 82 44 80 304 723 1 182 2 343 1 830 262 9	2: 2: 1:	10 38: 10 38: 15 24: 15 55: 10 57: 10 10 38: 10 38: 10 38: 10 38: 10 38: 10 40: 10	386 174 276 3 247 5 1 050 3 1 033 5 754 417 9 93
GROSS RENT AS PERCENTAGE OF INCOMBY INCOME Specified renter occupied? Less than \$5,000. Less than \$5,000. Less than 20 percent. 25 to 34 percent 35 percent or more. Not computed. \$5,000 to \$9,999 Less than 20 percent. 20 to 24 percent. 25 to 34 percent. 35 percent or more. Not computed. \$10,000 to \$14,999 Less than 20 percent. 20 to 24 percent. 20 to 24 percent. 35 percent or more. Not computed. \$10,000 to \$14,999 Less than 20 percent. 20 to 24 percent. 25 percent or more. Not computed. \$15,000 or more. Less than 20 percent. 20 to 24 percent. 25 percent or more. Not computed. \$15,000 or more. Less than 20 percent. 20 to 24 percent. 25 percent or more. Not computed. \$15,000 or more. Less than 20 percent. 20 to 24 percent.	43 81 16 31 31 31 31 31 31 31 31 31 31 31 31 31	99 543 903 113 36 113 85 100 31 39 64 22 76 1 200 667 42 229 31 887 38 887 1 20 606 62 880 56 98 76 110 12	8 602 17 3 3 37 1 43(3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	308 18 72 197 197 21 3 1 316 2 535 3 399 1 77 4 1 100 4 1 100 4 1 100 4 1 30 7 7 5 33 33 31 31 31 31 31 31 31 31	4 54 54 55 55 56 5 1 844 56 5 1 84 6 7 900 1 57 8 8 6 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1	3 5 5 2 2 5 5 5 1 5 5 9 4 6 6 6 6 3	129 2 765 14 225 194 669 63 818 818 11 15 15 199 11 15 193	129 758 12 14 60 611 830 221 252 245 87 25 23 381 343 24 14 160 160	284 144 12 5 15 90 22 94 34 36 19 5 5 5 7	6 883 4 181 46 69 442 3 089 535 1 892 562 453 587 285 591 532 455 454 219 210	3	4 173 9 163 6 4 82	9 3 667 0 60 5 121 5 517 18 2 627 11 342 55 718 22 298 14 179

Utimited to one-family homes on less than 10 acres and no business on property. 2Excludes one-family homes on 10 acres or more.

Table B-8. Persons in Owner and Renter Occupied Housing Units: 1970

	(Data basea on	sample, see text.	For minimum bo	se for derived fig	jures (percent, n	nedian, etc.) and	meaning of symi	bols, see text]		
Hartford	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	11 916	1 597	3 790	2 196	. 1 787	1 131	702	471	242	2,8
BEDROOMS None and 1	724 4 435 4 608 2 078	371 795 397 96	297 1 891 1 061 411	787 853 330	56 674 801 225	171 729 343	102 477 236	15 213 259	 77 178	1.5 2.3 3.5 4.4
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	32 79 167 1 693 1 957 7 988	10 9 14 116 237 1 211	4 35 58 572 567 2 554	5 5 22 271 424 1 474	6 20 56 285 297 1 123	- - 9 238 192 692	8 5 - 115 100 474	- 5 4 69 79 314	4 - 4 27 61 146	3.0 3.1 2.9 2.7
UNITS IN STRUCTURE 1 2 or more	6 118 5 798 	686 911 -	1 825 1 965	1 142 1 054	996 791	650 481 -	413 289 -	261 210 -	145 97 -	3.0 2.5
COMPLETE BATHROOMS 1 and 1 1/2	10 202 1 066 457 217	1 339 109 42 59	3 387 290 118 46	1 860 229 50 65	1 578 139 71 17	918 94 64 14	583 61 61 8	359 66 51 8	178 78 -	2.7 3.1 3.8 2.6
HOUSEHOLD COMPOSITION Two-or-more-person households Male head, wife present, no nonrelatives Under 25 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Other male head Under 65 years 55 years and over Female head Under 65 years 65 years and over Cone-person households	10 319 8 422 84 647 1 512 4 491 1 648 527 359 168 1 370 873 497		3 790 2 734 29 56 102 1 452 1 095 313 190 123 743 396 347	2 196 1 714 23 149 143 1 061 338 99 75 24 383 284 99	1 787 1 626 22 2002 404 852 1 46 38 27 11 123 87 36	1 131 1 024 6 128 306 547 37 38 28 10 69 60	702 661 4 87 285 274 11 20 20 20 - 21 21	471 434 163 207 10 19 19 19 12 6	242 229 	3.1 3.4 4.2 4.8 3.2 2.3 2.3 2.4 2.2 2.4 2.2 2.4 2.6 2.2 1.0
VALUE-INCOME RATIO Specified awner occupied* Less than 1.5. 1.5 to 1.9. 2.0 to 2.4. 2.5 to 2.9. 3.0 to 3.9. 4.0 or more Not computed	5 925 1 993 1 294 812 559 364 730 173	22 35 52 52 62 297	1 771 414 373 307 250 157 251	1 125 468 299 151 63 63 81	973 470 221 117 78 40 41 6	619 242 207 79 57 15	393 192 83 35 41 22 15	241 106 46 45 18 5 16	145 79 30 26 - - 10 -	3.0 3.7 3.3 2.8 2.4 2.3 1.8 1.1
Renter occupied housing units	43 889	14 992	11 972	6 310	4 644	2 813	1 556	1 063	539	2.1
BEDROOMS None	3 265 17 299 15 953 7 760	9 278 2 391	126 5 957 5 024 1 065	1 306 3 812 1 401	310 2 756 1 459	245 1 250 1 229	- 116 385 1 068	42 245 747	45 90 339	1.0 1.4 2.6 4.2
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	1 106 2 702 2 154 3 219 5 148 29 560	1 333 1 052 951 1 360	433 882 757 873 1 245 7 782	114 257 168 507 817 4 447	31 134 107 368 732 3 272	- 56 29 177 399 2 152	13 27 20 137 293 1 066	- 3 16 125 178 741	6 10 5 81 124 313	1.6 1.5 1.5 2.3 2.5 2.1
UNITS IN STRUCTURE 1 2 3 and 4	1 129 4 732 10 764 9 693 8 408 9 163	700 1 912 2 764 3 751	246 1 529 2 795 2 466 2 378 2 558	180 987 2 189 1 451 977 526	176 614 1 744 1 309 578 223	114 417 998 800 339 145	73 215 537 466 227 38	67 144 436 283 86 47	16 126 153 154 72 18	2.8 2.6 2.8 2.3 1.7
COMPLETE BATHROOMS 1 and 1 1/2	39 939 540 3 384	116	11 300 176 453	5 974 65 232	4 348 67 232	2 711 31 107	1 405 25 116	941 30 67	486 30 48	2. 2.4 1.3
HOUSEHOLD COMPOSITION Two-er-mere-person households. Male head, wife present, no nonrelatives. Under 25 years. 25 to 34 years. 35 to 44 years. 45 to 64 years. 65 years and over. Other maje head. Under 65 years 65 years and over. Female head. Under 65 years 65 years and over. 65 years and over. 65 years and over. One-person households	28 897 18 602 2 507 5 443 3 080 5 438 2 134 2 13 2 129 284 7 882 6 908 974		11 972 7 021 1 029 1 405 559 2 438 1 590 1 543 1 351 1 92 3 408 2 704 	6 310 4 090 888 1 298 493 1 098 313 429 374 55 1 791 1 599 192	4 644 3 207 334 1 237 744 784 108 207 182 25 1 230 1 169 61	2 813 2 069 153 731 5565 557, 62 113 108 5 5 631 623 8	1 556 1 054 44 402 307 264 37 71 64 7 431 426 5	1 063 764 45 273 244 178 24 31 31 31 - 268 268	539 397 14 97 167 119 - 19 19 - 123 119 4	2.9 3.1 2.8 3.5 4.2 2.8 2.2 2.3 2.3 2.2 2.8 3.0
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied ² Less than 10 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	43 801 2 941 7 656 7 309 5 257 6 162 12 479 1 997	2 099 1 677 2 303	11 956 761 2 504 2 005 1 477 1 613 3 110 486	6 291 432 1 366 1 238 778 866 1 391 220	4 618 517 1 009 797 617 521 968 189	2 813 225 656 581 319 373 565	1 546 164 277 303 221 254 285 42	1 056 115 170 197 116 165 250 43	539 87 92 89 52 67 132 20	2.1 2.7 2.4 2.3 2.1 2.0 1.6 1.7

*Limited to one-family homes on less than 10 acres and no business on property.

²Excludes one-family homes on 10 acres or more.

Table B-9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970

Hartford	Total	Less than 2 months	2 up to 6 months	6 months or more	Hartford	Total	Less than 2 months	2 up to 6 months	ó months ar more
Vacant for sale	67	15	36	16	Vacant for rent	2 030	1 307	584	139
ROOMS					ROOMS				
1 to 3 rooms 4 rooms 5 rooms 6 rooms 7 rooms or more	7 17 12 12 19	3 8 4	4 15 2 2 13	- 2 2 6 6	1 room	310 219 703 400 299	250 129 455 242 180	45 77 207 125 85	15 13 41 33
PLUMBING FACILITIES					6 rooms7 rooms or more	82 17	42 9	40 5	3
With all plumbing facilities Lacking some or all plumbing facilities	67 -	15	36 -	16 ~	PLUMBING FACILITIES				
BEDROOMS					With all plumbing facilities Lacking some or all plumbing facilities	1 768 262	1 099 208	537	132
None and 1	23 25 -	12 -	11 25 -	- - - 12	BEDROOMS	202	208	47	1
4 or more YEAR STRUCTURE BUILT	12	-	-	12	None	426 944	358 503	28 366	40 75 52
1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier	4	- 7 8	- - 4 32	- 4 2 10	2	506 262	270 185	184 50	52 27
UNITS IN STRUCTURE	33 34	4 11	15 21	14 2	1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier	335 177 138 1 380	209 117 82 899	92 45 50 397	34 15 6 84
HEATING EQUIPMENT	"	,,		-	UNITS IN STRUCTURE				
Steam or hot water	_	11 - - 4	21 8 - 7 -	4 9 - 3	1	32 385 375 525 713	14 229 225 328 511	18 117 123 162 164	39 27 35 38
SALES PRICE ASKED					RENT ASKED				
Specified vacant for sole ¹ Less than \$5,000 \$5,000 to \$7,999 \$10,000 to \$14,999 \$15,000 to \$19,999 \$20,000 to \$24,999 \$25,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$49,999 \$35,000 ao mare Median price asked	- 9 4 14 - 4	4 - - - 4 - - -	15 - 3 4 4 - 4	12 6 	Specified vacant for rent2 Less than \$50 \$50 to \$59 \$60 to \$79 \$80 to \$99 \$100 to \$119 \$120 to \$149 \$150 to \$199 \$200 or more	2 030 73 46 239 355 309 531 425 52 \$120	1 307 63 37 137 242 172 338 287 31 \$120	584 6 6 97 92 109 160 103 11 \$117	139 4 3 5 21 28 33 35 10 \$128

Table B-10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970

[Data based on sample, see text. For meaning of symbols, see text]

			Soles price a	sked Vacant	for sale ¹				Ren	t asked — '	Vacant fo	r rent²		
Hartford	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	. 31	- T	9	4	14		4	2 030	119	239	355	840	425	52
PLUMBING FACILITIES														
With all plumbing facilities Locking some or all plumbing facilities	12		12	- -	-	-	-	1 859 279	60 74	158 68	365 112	842 25	380	54
BEDROOMS														
None and 1	- - 12	= = = = = = = = = = = = = = = = = = = =	- - 12	- - -		<u>-</u> -	-	1 370 506 251	110 11 13	176 50 -	267 121 89	444 288 135	333 22 14	40 14 -
YEAR STRUCTURE BUILT								,,						_
1969 to March 1970	۱ ۵	. .	- - 9	- 4	- 4 4 6	·	- - 4.	335 177 138 1 380	4 - 115	7 10 222	3 15 34 303	65 87 47 641	243 59 43 80	13 16 4 19
UNITS IN STRUCTURE														
1	***	•••	•••	•••		•••	•••	32 385 900 713	3 13 81 22	3 46 110 80	8 81 171 95	14 209 459 158	27 73 325	4 9 6 33
INCLUSION OF UTILITIES IN RENT														
All utilities included					•••	•••	•••	899 1 131	104 15	153 86	149 206	316 524	140 285	37 15

^{*}Limited to one-family homes on less than 10 acres and no business on property.
*Excludes one-family homes on 10 acres or more.

Table B-11. Value of Owner Occupied Housing Units With Negro Head of Household: 1970

	(Data based on	sample, see to	xt. For minir	num base for	derived tigure	s (percent, me	wan, erc.) and	mediang or sy	1110015, 366 16	V.1		
Hartford	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)
Specified owner occupied!	812	-	4	-	32	57	362	229	123	5	-	19 600
ROOMS 1 and 2 rooms 3 rooms 4 rooms 5 rooms 6 rooms 7 rooms 8 rooms ar more	7 28 142 344 147 144 6.2		4		- - 15 8 3 6	- 8 11 20 18 -	- 14 68 190 51 39 6.0	- 7 6 19 98 59 40 6.3	25 28 16 54 7.0	- - - - 5		18 900 19 300 20 100 23 400
PERSONS 1 persons 2 persons 4 persons 5 persons 6 persons Units with roomers, boarders, or lodgers	100 111 126 166 100 209 3.9	-	- - - 4 - 	-	6 13 7 -	3 6 23 4 - 21	53 58 58 79 28 86 3.7	15 27 16 53 47 71 4.6	23 20 23 17 14 26 3.3	- - - - 5 	- - - - - -	19 400 19 600 18 800 19 500 21 200 19 900
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking same or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	405 85 5 6 6		4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	32 12 20 - - - -	51 16 28 7 - 6 6 - -	362 152 159 46 5 -	229 65 143 21 	123 66 46 11 	5 5 - - - - -	-	19 600 19 500 19 800
BEDROOMS None and 1 2	129 277	-	-	-	- 29	23 - 38	62 153 167	- 44 75 97	20 69	- - -	-	
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	5 19 205 276	1	- - - - - 4	1	- 3 15 14	- 11 28 18	- - 79 152 131	- 14 87 36 92	5 5 25 45 43	- - - - 5	-	20 500 18 900 19 600
COMPLETE BATHROOMS 1 and 1 1/2 2 and 2 1/2 3 or more None or also used by another household	119	-	5 -	-	29 8 -	42 7 5	306 50 6 -	201 35 - -	107 19 9	10 - - -	- - -	19 700
HOUSEHOLD COMPOSITION Twe-er-more-person households Male head, wite present, no nonrelatives Under 25 yeors 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Other male head Under 65 years 65 years and over Female head Under 65 years 65 years and over One-person households Under 65 years 65 years and over	622 - 62 - 72 - 234 - 270 - 40 - 16 - 68 - 68 - 68 - 100	111111111111111111111111111111111111111	44		26 15 - - 9 - 6 8 8 - 3 3 - 6 3 3	544 433 	309 280 31 120 107 20 8 8 8 21 21 	214 185 6 34 49 87 9 6 - 6 23 23 - 15	100 90 -7 38 40 5 - 10 10 -23 10	55 1 5 1 1 1 1 1 1 1	-	19 600 19 600 19 000 19 900
INCOME IN 1969 Less then \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$7,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more	30 - 5 - 16 - 30 - 158 - 278 - 176 - 34		- - - - - - 4		9 	3 12 7 28 7	77	5 - - - 56 104 59 \$12 300	13 5 5 6 5 26 36 27 \$15 400	55	11111111	19 200 19 800 20 600
YEAR MOVED INTO UNIT 1969 to March 1970 1968 1967 1965 and 1966 1960 to 1964 1950 to 1959 1949 or earlier	167 92 55 158 191		- - - - 5	- - - - - - -	16 6 15	9 - - 14 15 16	34 21 51 96	42 30 29 70 53 12	36 12 5 13 21 34 14	- - 10 - -	11111	19 800 21 000 19 300 19 000
HEATING EQUIPMENT Steam or hat water	404 336 11	_	4	-	22 7 - 3	16	189	133 73 6 - 17	67 51 - - 5	- - - - 5		20 000 19 300
AIR CONDITIONING Room unit(s) Central system None		-	5	-	37	20 - 34		78 158	12 18 105	\	-	19 600 19 500

^{*}Limited to one-family homes on less than 10 acres and no business on property.

Table B-12. Gross Rent of Renter Occupied Housing Units With Negro Head of Household: 1970

l	Data based on	sample, see te	ext. For mini	num base to	r derived tigu	res (percent,	median, etc.,	ana meanin	g of symbols,	see lexij			
Hartford	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
Specified renter occupied ¹	10 923	212	108	230	374	1 276	2 049	3 551	2 682	377	10	54	130
room	218 447 2 063 3 932 3 026 1 044 96 97 4.2	12 34 74 74 18 - - - 3.3	5 19 64 20 - - - 3.0	77 6 44 72 25 6 -	16 27 18 258 50 5	23 81 276 372 423 96 5 - 4.2	31 100 510 931 366 96 10 5	40 140 630 1 538 934 238 18 13 4.1	7 36 410 572 1 070 521 41 25 4.8	4 32 72 129 79 22 39 5.1	5	7 -5 18 11 3 - 10	77 111 122 124 140 158
persons 1 persons 2 persons 3 persons 5 persons 6 persons or more Median Units with roomers, boorders, or ladgers	1 885 1 563 1 110 1 533 2.8	108 35 19 31 12 7 1.5	58 29 21 - - 1.4 7	108 40 26 12 5 39 1.7	73 65 93 61 34 48 3.0	295 281 138 108 160 294 2.9	474 562 381 287 152 193 2.5	745 893 694 508 374 337 2.7 238	368 537 489 473 334 481 3.4 217	52 73 19 76 39 118 4.1 22	5	17 19 7 11 	121 128 131 136 135 136
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or mare Lacking same or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	3 809 4 969 1 585 350 210 66 131	201 120 58 16 7 11 5 6	103 60 38 5 - 5	188 57 87 44 - 42 - 42	357 105 178 64 10 17 6	1 224 407 449 293 75 52 25 27	2 000 773 915 250 62 49 25 21	3 539 1 347 1 645 445 102 12 5 7	2 660 784 1 425 383 68 22 - 12 10	377 120 159 79 19 	10	54 36 5 6 7	131 128 134 128 125 88
BEDROOMS None	297 2 794 5 132	20 92 45 29	83 50	97 19 75	17 43 263 50	21 320 558 388	39 688 965 478	75 983 1 946 514	28 531 1 099 1 116	35 102 177	1111	- 29	125 129 145
YEAR STRUCTURE BUILT 1969 to March 1970	468 423 1 342 1 589	- 15 18 65 114	- 29 38 41	- 4 20 25 40 141	6 18 90 128 132	17 34 292 302 631	39 41 408 264 1 297	44 246 166 304 335 2 456	90 141 114 162 379 1 796	22 15 10 14 38 278	5	- - - - 54	169 140 135 111 117 133
ELEVATOR IN STRUCTURE 4 floors or more	387 357	186	133	16 - 16 175	57 31 26 316	134 23 111 1 153	122 25 97 2 048	130 75 55 3 388	265 213 52 2 509	20 20 20 294	_ _ _	- - 29	130
COMPLETE BATHROOMS 1 and 1 1/2 2 or more None or also used by another household	120		94 7	191 	328 6 33	1 126 7 89	1 938 5 103	3 424 18 123	2 491 23 75	364 46 	12 - -	48 15 -	131
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$6,999 \$10,000 to \$1,999 \$15,000 to \$2,999 \$15,000 to \$2,999 \$25,000 or \$1,999 \$25,000 or mare	1 011 982 1 043 953 1 038 1 594 428	43 13 24 4 23	65 18 8 5 8 4 -	70 38 21 24 22 21 29 5 - - \$3 300	88 121 20 29 20 37 30 16 13 -	252 128 170 120 90 170 212 89 33 12 \$4 700	374 151 194 212 191 236 405 221 57 6 \$5 500	560 299 295 350 350 285 645 624 117 26 \$5 800	361 151 218 244 249 254 482 545 168 10 \$6 500	42 51 27 25 22 27 58 94 23 8 \$6 800	55	7 11 14 5 5 - - 12	120 120 126 129 133 125 131 142 147
YEAR MOVED INTO UNIT 1969 to March 1970	1 26: 1 22: 1 79: 1 85: 66:	2 50 8 6 3 22 4 22 0 47	19 10 15 18 33 -	81 22 26 23 47 30 16	71 40 38 78 69 19	268 143 120 243 225 147 76	595 220 259 357 426 144 45	1 264 476 376 605 634 136	1 114 234 337 362 360 96 86	164 50 51 73 31 34 7	12 - - - - -	20 17 	132
GROSS RENT AS PERCENTAGE OF INCOME Less than 10 percent	1 36 1 66 1 22 1 80	6 23 7 26 7 23 7 22 9 67		17 55 29 9 44 70 6	29 59 28 35 50 161	95 183 254 102 203 342 97	76 273 361 303 328 616 92	1 283	1 153	8 13 28 56 58 199 15	5.5		131
AIR CONDITIONING Room unit(s) Central system None	2	2 -	- - 101	12 	ì –	40 1 182	-	i -	17	38 - 372	-	27 36	-

Excludes one-family homes on 10 ocres or more.

Table B-13. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

	Data based on	sample, see re	XI. FOI IIIIIII	JUIN DOSE TO	derived hydre	o (percent) in	ealan, erc.) una					
Hartford	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
Owner occupied housing units	1 973	162	40	50	94	104	95	385	617	365	61	10 500
ROOMS	19	8		-	6 19	-	-	5 11	- 7	-	-	
3 rooms 4 rooms 5 rooms	53 133 634	14 45	11 15	4 27	13 28	14 32	27 42	20 151 110	57 197 248	107 143	- 5 21	8 600 9 800 11 500
6 rooms	679 455	54 41	9	5 14	21 7	26 26	21	88	108	115	35	11 400
PERSONS 1 person 2 persons	178 382	81 10	16 11	20 9	4 48	6 32	16 30	18 89	11	42 125	- 5 14	2 500 8 700 11 200
3 and 4 persons5 persons	700 240 473	58 3 10	9	4 9 8	31 11	26 9 31	33 11 5	129 48 101	280 75 145	56 136	33	11 300 12 700
6 persons or more	1 1	25	13	-	29	15	13	35	42	26	-	7 300
BEDROOMS Less than 3	598 840 508	39 95	52 17	39 32	17 15 -	81 19	- 34 15	149 112 143	197 295 145	63 233 115	39	9 200 11 800 11 600
YEAR STRUCTURE BUILT 1969 to March 1970		_	4	_		_	_	-	4	_ 5	-	
1960 to 1968 1950 to 1959 1949 or earlier	49 248	5 18 139	5 31	5 45	17 77	104	11 84	50 331	35 90 488	48 312	57	11 000 10 200
YEAR MOVED INTO UNIT	377 184	10	5	- 6	29 -	21 6	26 8	46 49	124 87	96 11	20 6 33	12 100 10 700 10 600
1968	876 532	61 89	24	21 11	28 51	60 22	48 22	184 109	284 126	157 63	15	8 300
SELECTED CHARACTERISTICS Automatic clothes washing machine Clothes dryer	1 575 332	98 19	17	55	32 15	64	17	312 53	550 171	391 56 42	39 18 21	11 800
DishwasherHome food freezer	246 632	21 19	-	35	17	26 63 ~	15 15 15	56 145 -	86 222 59	93 15	21	10 500
Owned second home	. 338	23 23	-	10 10		16 16	5	54 54	122	75 75 	25 7 18	12 200 12 000
Central systemAutomobiles available:	. 26	- 81	14	21	47	20		160	367 199	154 157	19 55	10 900 11 700
2 3 or more	687	22	15	_	-	60	15	164	'77	8	-	
Renter occupied housing units	10 967	1 936	1 011	982	1 043	957	1 038	1 894	1 605	432	69	5 500
ROOMS 1 room 2 rooms		34 134	30 70	30 39	42	10 39	34	55 66 353	23 239 550	7 - 45	-	4 500 3 500 4 800
3 rooms4 rooms	2 063 3 942	520 675 431	183 450 203	176 310 269	325 378	181 360 250	410 262	710 539	550 545 248	137 159 84	15 12 42	5 600 6 000 6 400
6 rooms or more		142	75	158				171		04	72	3 000
PERSONS 1 person 2 persons	. 2 541	775 531	388 244	177 213 330	1 222	216	335	283 469 671	53 323 697	75 180	5 16	5 300 6 500
3 and 4 persons	- 1 110	406 87 137	239 80 60	122 140	101	105	128	191 280	206 326	90 87	48	6 500 6 800 4 000
Units with roomers, boarders, or lodgers		224	32	81	66	60		111	35	7	-	
None	_ 2 794	58 466 789	45 332	304 331	1 392	312	159	74 496 957	236 709	97 188	-	4 800 5 600
3 or more	5 132		495 197	38	268			533	369	199	20	5 800
YEAR STRUCTURE BUILT 1969 to March 1970 1960 to 1968	156 891	131	65	11	7 73	1 7		21 188 293	32 170 166	21 43 34	12	6 800 6 600 5 600
1950 to 1959 1949 or earlier	1 353	229 1 558	135 799	11: 80:		75		1 392	1 237	334		5 400
YEAR MOVED INTO UNIT 1969 to Morch 1970 1968	3 674 1 277		148	12	4 139	60	88 6	543 221 922	543 201 801	189 36 160		5 400 4 800 6 000
1960 to 1967 1959 or earlier	4 870	817	292 110		5 429	421		171	140	24	10	4 700
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied'	10 923		1 011	98	2 1 045 7 29	2	1 58	1 888 295	1 594 861 575	428 397 14	62	5 500 12 600 9 000
Less than 15 percent	1 667	; =	20 28 77] 1	5 6	15	301	750 526 297	138 20	5		7 300 5 600 2 700
25 to 34 percent 35 percent or more Not computed	3 939	1 385	875	77	4 56	25	74	20	-	12	=	2000-
SELECTED CHARACTERISTICS Automatic clothes washing machine	5 07			54		54		932 150	722 164	201 35		5 500 8 200
Clothes dryer Dishwasher Home food freezer	- 582 111 - 1 118	182	25	10	3 14	-)		46	37 134	61	-	
Owned second homeWith air conditioning	19: 72	5 54	2 63	1 7	2 8 6 8			144	148 148	50) 6	
Raom unit(s) Central systemAutomobiles available:	2:	2 3	3	·	3 38 3 2	- 4 38	3 500	887	1 099			1
23 or more	68		3 18	3 2	3 2	5 4 6 1	3 62 8 14	172 18	143	11	-	

Excludes one-family homes on 10 acres or more.

Table B-14. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

				l plumbing facil		em, median, e	tc.) and meaning a		text] or all plumbing f	acilities	
Hartford	Total	Total	0.50 or less	0,51 to 1,00	1.01 to 1.50	1.51 or more	Tatal	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.5) or more
Owner occupied housing units	1 973	1 961	757	944	236	24	12	12			
PERSONS 1 person	178	178	173								
2 persons3 persons	382 367	382 355	365 191	5 11 164	=	6	- -	.=	-	_	-
4 persons	333 240	333 240	10 18	323	-	-	12	12	-	_	-
δ persons or more	473 3.7	473 3.7	2.1	209 232	9 227	14	-	_	Ξ	=	-1
Units with roomers, boarders, or ladgers	198	192	70	4.4 94	7.0 14	14		···	_	_	-
YEAR STRUCTURE BUILT	_							_		_	- [
1969 to March 1970 1965 to 1968	5 6	5 6	- 6	-	5 ~	-1	-	_	<u>-</u>	-	-
1960 to 1964	33 228	33 228	14 84	7 126	12 18	-	-	-	_	. =	-
1940 to 1949 1939 or earlier	412 1 285	412 1 274	168 474	178 628	60 151	6 21	11	11	-	_	= [
INCOME IN 1969						.					
tess than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999	162 40	156 40	107 27	39 9	10 4	-	6	6 -		· <u>-</u>	_
\$4,000 to \$4,999 \$5,000 to \$5,999	50 94	50 94	29 42 57	21 42	- 15	10	-	-		-	-
\$6,000 to \$6,999	104 95	104 89	57 63 152	32 21	5	-	- 6	- 6	-	_	-
\$7,000 to \$9,999 \$10,000 to \$14,999	385 617	385 617	169	189 375	35 73	9	_	=	-	Ξ	=
\$15,000 to \$24,999	365 61	365 61	92 19	186 30 \$11 600	82 12	5	-	-	-	-	-
Median	\$10 500	\$10 500	\$8 100	\$11 600	\$13 400	•••	•••	•••	. =	Ξ	-
VALUE-INCOME RATIO Specified owner occupied	812	806	311	405	85	5	6	6	_		_
Less than 1.5 1.5 to 1.9	246 184	246 184	43 76	168 90	35 18	-	-	_	= -	=	=
2.0 to 2.4	136 105	130 105	38 51	74 46	13 8	5	6	6	=	Ξ.	-
3.0 to 3.9	8 91	8 91	3 63	5 22	ē	-	-	=	-	_	-
Not computed HEATING EQUIPMENT	42	42	37	-	5		-	-	-	-	-
Steam or hot water	1 066	1 060	431	502	112	15	6	6			l
Warm-air turnace	661 32	655 32	226 6	327 22	97	5	6	ě	=	-	
Floor, wall, or pipeless furnace	30 184	30 184	24 70	<u>6</u> 87	27	-1		Ξ	-	-	-
None	-	-		~	-	7	-	Ξ	-	=	-
Renter occupied housing units	10 967	10 757	3 816	4 994	1 597	350	210	66	131	10	3
PERSONS 1 person	2 298	2 159	2 046	113		ĺ					
2 persons3 persons	2 541 1 895	2 496 1 895	1 628 138	868 1 726	-	=	139 45	41 20	98 25	=	-
4 persons	1 578 1 110	1 570 1 105	4	1 440	31 114	16	. 8	=	8	=	-
6 persons or more Median	1 545 2.8	1 532	1.4	632 215	433 1 019	36 298	.5 13	5 -	_	10	3
Units with roomers, boarders, or lodgers	674	649	250	3.4 363	5.9 25	7.4	1.3 25	· · · ·	1.2 16	•••	
YEAR STRUCTURE BUILT 1969 to Morch 1970	,,,,							•	10	_	-
1965 to 1968 1960 to 1964	108 481	108 481	71 214	29 219	.8 40	8	-		-	-	-
1950 to 1959 1940 to 1949	436 360	436 1 347	202 344	213 717	21 210	76	13		- 8	= = .	5
1939 or earlier) 515 7 003	1 500 6 826	350 2 646	762 2 970	318 1 001	70 209	15 177	8 38	133	7	-
INCOME IN 1969 Less than \$2,000	,										
\$2,000 to \$2,999 \$3,000 to \$3,999	1 936 1 011	1 896 959	1 056 530	688 318	131 96	21 15	40 52	21 15	19 37	-	-
\$5,000 to \$5,999	982 1 043	971 1 023	293 350	500 502	131 139	47 32	11 20	5	6 15	-	
\$7,000 to \$9,999	957 1 038	948 1 008	332 378	. 400	175 168	41 28	9 30	5 15	15	4	-
\$10,000 to \$14,999 \$15,000 to \$24,999	1 894 1 605	1 846 1 605	531 276	434 935 955 240	317 314	63	48	_	39	6	3
\$25,000 or more Medion	432 69	432 69	65 5	22	101 25	26 17	_	Ξ	-	=	=
GROSS RENT AS PERCENTAGE OF INCOME	\$5 500	\$5 600	\$4 100	\$6 200	\$6 800	\$6 700	\$4 100	•	\$4 200		
Specified renter occupied?	10 923 364	10 713 360	3 809	4 969	1 585	350	210	66	131	10	3
15 to 19 percent	1 366 1 667	1 327 1 627	47 256 360	178 771	102 242	33 58	4 39	_	39	=	= = =
25 to 34 percent	1 227 1 807	1 227 1 769	422 603	846 562	356 206	65 37	40	15	22	=	3
35 percent or more Not computed	3 939 553	3 874 529	1 838 283	821 1 603	276 361	69 72	38 65	10 30	22 31	6	=1
HEATING EQUIPMENT		J27	403	188	42	16	24	ĭĭ	13		-
Steam or hot water Warm-air furnace	5 940 2 255	5 830 2 209	1 960 759	2 648	1 062	160	110	32	78	_	_
Floor, wall, or pipeless furnace	702 278	702	273 67	1 145 330 170	233 67	72 32	46 -		42	4 -	=
Other meansNone	1 775 17	272 1 727 17	750 7	691 10	30 205	5 81	6 48	34	11	6	3
		. 17		IU	<u> </u>	-	-	-	- 12	· _	- I

Table B-15. Rooms in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

	[Data based on	sample, see text.	For minimum b	ase for derived f	igures (percent, i	median, etc.) and	I meaning of sym	bols, see text]		
Hartford	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units Units with 1 or more bothrooms and complete kitchen facilities for exclusive	1 973	11	8	53	133	634	679	229	226	5.7
use, and direct access	1 937	7	11	48	122	619	647	221	262	5.7
PERSONS		<u> </u>	_							
1 person 2 persons 2	178 382	6	8	11	20 53	29 204	54 69	20 24 15	17 15	5.5 5.1
3 persons4 persons	367 333		-	13	20 31	131	136 141	15	52 10	5.6
5 persons6 persons or more6	240 473	i -	-	4	ۋە (100	33 1	24	5.6 5.9
Median	3.7				2.4		4.1	103 5.2	108 5.3	6.4
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	1 961 757	11	8	53 25	1 33 73	634 233	673 253	229 59	220 106	5.7
0.51 to 1.00 1.01 to 1.50	944 236		-	24	51	318	299 116	151	96	5.7 5.7
1.51 or more	24 12	6	_	4	_	4	5	19	96 13 5	5.8
0.50 or less	12		-	=	_	_	6	-	6	
0.51 to 1.00 1.01 to 1.50	_		-	_		_	-	-	-	_
1.51 or more	-	-	-	-	-	-	-	-	-	-
BEDROOMS	0.5								J	
None and 1	95 503	_	-	61	17 131	17 293	- 57	22	-[4.9
34 or more	840 508		-		15		507 208	57 145	155	4.9 5.8 6.8
YEAR STRUCTURE BUILT										5.5
1969 to March 1970	8		_	-		4	_	4	_	,
1960 to 1968 1950 to 1959	49 248	-	-	7	14 30	26 70	107	5 24	10	5.7
1949 or earlier	1 668	111	8	46	89	534	568	196	216	5.8
COMPLETE BATHROOMS										
1 and 1 1/2 2 or more	1 681 262		11	48	115 7	563 56	564 83	184 37	183 79	5.7 6.3
None or also used by another household VALUE-INCOME RATIO	26	-	-		-	7	13	-	6	•••
Specified owner occupied						,,,				
Less than 1.5	812 246	_	-	7 -	28 5	142 39	344 92	147 62	144 48	6.2 6.4
1.5 to 1.9 2.0 to 2.9	184 241		-	7	9	18 51	96 92	34 40	27 45	6.2 6.1
3.0 or more Not computed	99 42				8 -	34	22 42	11	24	:::
Renter occupied housing units	10 967	218	447	2 063	3 942	3 048	1 056	96	97	4.2
Units with 1 or more bathrooms and complete kitchen facilities for exclusive										
use, and direct access	10 309	75	417	1 925	3 754	2 923	1 039	81	95	4.2
l person	2 298	ا میرا	287	818	499	270	70	3	6	
2 persons3 persons	2 541	_	108	785	633 903	588	141	7	۶	3.3
4 persons	1 895 1 578	7	31 9	300 114	887 750	539 491	131 191	3 16	4	4.2 4.4
5 persons6 persons or more	1 110 1 545		12	24 22	433 336	448 712	173 350	11 56	69	4,7 5.1
Median	2.8	1,0	1.3	1.8	3.0	3.8	4.5	• • •		•••
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	10 757 3 816		411 271	2 047 807	3 909 1 511	3 030 849	1 052 342	96 13	92 23 45	4.2 4.0 4.2 4.5 4.2 1.7
0.51 to 1.00 1.01 to 1.50	4 994 1 597	113	88 31	1 080 114	1 629 633	1 478 596 107	504 202	57 5	16	4.2 4.5
1.51 or more	350 210		21 36	46 16	136 33	18 (4 4	21	8 5	4.2 1.7
0.51 to 1.00	66 131		16 20	11 5	25 8	9	=	=	5	1.2
1.01 to 1.50 1.51 or more	10	-		_		6	4	-	-	
BEDROOMS	J					-				
None	297	280	17	-	_		_	_		
2	2 794 5 132	_	334	1 936 236	370 3 386	80 : 1 451	74 59		_	3.0 4.2
3 or more	2 752		-	-	119	1 514	901	143	75	5.3
YEAR STRUCTURE BUILT										20
1969 to March 1970	156 891	14 21	141	86 274	52 314	106	30	5	-	3.2 3.5
1950 to 1959 1949 or earlier	1 353 8 567	17 166	37 269	338 1 365	645 2 931	255 2 683	53 973	83	97	3.9 4.3
COMPLETE BATHROOMS										}
1 and 1 1/2	10 263	87	426	1 945	3 775	2 904	999	68	59	4.2
2 or more None or also used by another household	120 520	101	46	101	12 149	19 94	40 15	13	36 14	3.6
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied:	10 923	218	447	2 063	3 932	3 026	1 044	96	97	4.2
Less than 10 percent	364 1 366	31	3 47	56 179	132 546	103 410	48 136	13	8 4	4.4
15 to 19 percent	1 667 1 227	43 25	49 47	326 246 296 885 75	582 501	522 262	137 132	8	6	4.4 4.3 4.2 4.1 4.3 4.2 4.1
35 percent or more	1 807 3 939	43 25 39 53 18	63 206 32	296 885	659 1 264	544 1 048	159	31 28 3	16 53	4.3 4,2
Not computed	553	18	32	75	248	137	402 30	-3	53 10	4.1

*Limited to one-family homes on less than 10 acres and no business on property.
*Excludes one-f

²Excludes one-family homes on 10 acres or more

Table B-16. Units in Structure for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

	(Daid based on	Owner oc				· (herceitt, lite	aion, eic., and	Renter of		extj	····	
Hartford			2 units	Mobile home or		· · · · · · · · · · · · · · · · · · ·		3 and	5 to	10 to	20!+-	Mobile
	Total	1 unit	or more	trailer	Total	1 unit	2 units	4 units	9 units	19 units	20 units or more	home or trailer
All occupied housing units ROOMS	1 973	849	1 124	-	10 967	385	1 128	3 645	2 633	2 303	873	-
room	11 8 53 133 634 679 229 226 5.7	7 28 152 348 158 156 6.2	11 8 46 105 482 331 71 70 5,3		218 447 2 063 3 942 3 048 1 056 96 97 4.2	12 4 31 118 89 89 16 26 4.8	59 245 470 284 43 21 5.0	22 62 349 1 188 1 443 534 16 31 4.6	44 96 441 1 304 636 98 5 9	53 164 840 856 334 30 16 10 3.6	81 121 343 231 76 21	-
PLUMBING FACILITIES BY PERSONS PER ROOM										5,5	0.2	
With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	24 12 12	843 321 432 85 5 6 6	1 118 436 512 151 19 6 6	-	10 757 3 816 4 994 1 597 350 210 66 131 10	385 113 203 57 12 - - -	1 118 422 487 172 37 10	3 596 1 139 1 798 554 105 49 36 13	2 582 919 1 179 384 100 51 20 31	2 260 882 943 349 86 43 10 30	816 341 384 81 10 57 - 57	
BEDROOMS	<u> </u>			ŀ								
None	95 503 840 508	129 297 371	95 374 543 137	-	297 2 794 5 132 2 350 402	154 126 42	20 94 482 240 115	39 536 2 027 1 155 95	60 614 1 400 555 48	53 1 065 784 232 102	125 485 285 42	-
YEAR STRUCTURE BUILT	8											
1965 to 1964 1966 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	1 5	5 19 215 283 327	8 25 33 128 930	-	156 468 423 1 353 1 593 6 974	29 75 62 219	10 24 51 241 802	14 41 15 533 535 2 507	20 91 89 218 335 1 880	16 142 143 365 321 1 316	106 155 152 111 99 250	-
INCOME IN 1969												
Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$3,999 \$5,000 to \$5,999 \$5,000 to \$5,999 \$7,000 to \$9,999 \$110,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more	162 40 50 94 104 95 385 617 365 61	85 - 30 - 5 16 40 164 283 192 34	77 40 20 89 88 55 221 334 173 27	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 936 1 011 982 1 043 957 1 038 1 894 1 605 432 69	59 40 30 43 29 10 32 88 42	164 78 52 72 94 130 222 235 67	599 303 332 382 368 357 653 499 124 28	493 213 284 288 219 209 469 364 79	505 292 230 165 189 246 381 228 67	116 85 54 93 58 86 137 191 53	-
YEAR MOVED INTO UNIT	\$10.300	\$11 500	\$9 600	-	\$5 500	\$5 700	\$6 800	\$5 600	\$5 200	\$4 800	\$6 400	1
1969 to March 1970	377 184 176 260 440 373 159	183 92 61 158 214 138 38	194 92 115 102 226 235 121	-	3 674 1 277 1 228 1 793 1 849 628 454	157 45 28 88 74 7	346 228 95 168 200 113 59	1 029 379 466 610 630 247 121	868 234 298 416 478 147	855 270 268 425 391 101	419 121 73 86 76 13	
GROSS RENT									140	04	, 30	•
Specified renter occupied* Less than \$50 \$50 to \$59 \$60 to \$49 \$70 to \$77 \$80 to \$99 \$100 to \$119 \$120 to \$149 \$150 to \$199 \$200 to \$299 \$300 or more Mo cosh rent Medion					10 923 212 108 230 374 1 276 2 049 3 551 2 682 377 10 54 \$130	341 7 5 19 14 57 92 95 35 5 12 \$140	1 128 19 - 9 33 96 120 348 430 65 - 8	3 645 29 10 34 63 414 786 1 042 1 114 140 13 \$134	2 633 31 25 55 75 293 499 1 043 520 81 11 \$130	2 303 84 58 111 132 370 463 790 248 42 	873 42 10 21 52 89 124 236 275 14 5	-
HEATING EQUIPMENT					,	47.10	Ψιπτ	\$154	\$130	\$117	\$132	-
Steam or hot water	1 066 661 32 30 184	431 346 11 61	635 315 21 30 123		5 940 2 255 702 278 1 775	166 122 14 13 70	467 367 22 36 232	1 793 820 208 114 704 6	1 489 427 109 71 530	1 524 411 159 30 179	501 108 190 14 60	-
AIR CONDITIONING Room unit(s)			-				:	•	,	-	-	-
Central system	312 26 1 631	211 18 655	101 8 976	-	699 22 10 182	61 344	85 1 124	143	109 3	109 8	192 11	
AUTOMOBILES AVAILABLE						U44	1 124	3 339	2 477	2 257	641	-
3 or more	950 687 30 302	455 323 23 83	495 364 7 219	-	4 450 684 97 5 672	169 36 7 193	629 119 16 445	1 649 258 55 1 520	871 169 11 1 538	815 64 8 1 487	317 38 - 489	-

Excludes one-tamily homes on 10 acres or more.

Table B-17. Household Composition for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

				ext]	One-person	households						
Hartford			Male head, wi	fe present, no	nonrelatives		Other ma	le head	Female	head	One-person	ioosenoids
	Total	Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over
Owner occupied housing units	1 973	20	208	466	667	94	78	16	216	30	101	77
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less	1 961 757	20	208 45	466	667	94	78	16	210	24	101	77
0.51 to 1.00 1.01 to 1.50	944 236	16	136 27	99 242 125	229 361 59	69 20 5	29 37 6	13	95 105	19 19	96 5	77
1.51 or moreLacking some or all plumbing facilities	24 12	-		-	18	-	6		10 — 6	- 6	-	-1
0.50 or less 0.51 to 1.00 1.01 to 1.50	12 - -	-	-	-	_	-	-	-	6 -	6	-	-
1.51 or moreUNITS IN STRUCTURE	-	-	-	-	Ξ	-	~	-	=	-	Ξ	-
l 2 or more	849 1 124	6 14	81 127	234 232	282 385	46 48	16 62	6 10	78 138	30	46 55	54 23
Mabile home or trailer INCOME IN 1969	-	•••	-	-	-	-	-	-]		-		-
Less than \$2,000 \$2,000 to \$2,999	162 40	-	_	5	5 4	20 6	5 ~	-1	31 9	20	29 5	52 11
\$3,000 ta \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999	50 94 104	5	7	, 4	17 24	12	-6	7	5 19	10	15 4	5
\$6,000 to \$6,999	95 385	- 6	4 5 50	15 15 83	38 10 125	11 5 26	- 42	- 3	30 44	=	13	3
\$10,000 to \$14,999 \$15,000 to \$24,999	617 365	5 4	97 45	168 140	289 130	10	10 15	3 6	32 27 19	=	18 5 6	5
\$25,000 or more Median	\$10 500		\$12 000	36 \$13 300	\$11 900				\$6 300		\$4 400	
VALUE-INCOME RATIO Specified owner occupied:	812	6	72	234	270	40	16	6	68	_	46	54
Less than 1.5 1.5 to 1.9 2.0 to 2.4	246 184	-	16 4 <u>1</u>	130 38	85 77	6	4 8	6	5 5	-	6	3
2.5 to 2.9 3.0 to 3.9	136 105 8	6	5 10	40 15 5	56 37	9	4	-	31 14	=	14	-
4.0 or more Not computed	91 42	-	-	6 -	15	20	-	-	13	-	3 17 6	20 31
Renter occupied housing units	10 967	710	1 730	888	965	330	580	85	3 194	187	1 806	492
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities	10 757	705	1 719	888	956	320	572	85	3 172	,,,	1 /70	
0.50 or less 0.51 to 1,00	3 816 4 994	63 523	175 1 038	105 447	286 460	117 151	277 219	48	640 1 905	181 59 108	1 678 1 582 96	481 464 17
1.01 to 1.50	1 597 350	101 18	429 77	265 71	159 51	42 10	72 4	30 7 	517 110	5 9	-	-
Cacking same or all plumbing facilities	210 66 131	5 5 ~	11 - 8	-	9 - 5	10 5 5	8 ~ 8	-	22 9 7	6	128 36	11 5
1.01 to 1.50 1.51 or more	10	-	3	=	4	=	-	=	6	=	92 ~ _	6
UNITS IN STRUCTURE	385	26	37	31	54	6	22	5	145	7	33	19
2 to 4 5 to 19	4 773 4 936	302 330	780 733	486 343	507 362	169 127	270 280	47 33	1 430 1 448	103 68	475 989	204 223
20 or more Mobile home or trailer	873	52	180	28 -	42 -	28	8 -	-	171	9	309 -	46 -
GROSS RENT Specified renter occupied? Less than \$50	10 923 212	704 13	1 726	882	965	330	580	85	3 173	180	1 806	492
\$50 to \$59 \$60 to \$69	108 230	5 10	- 4 17	10	6 8 5	9	8 18	5 3	48 24 55	14	57 32 87	51 26 21 34
\$70 to \$79 \$80 to \$99	374 1 276	9 51	27 166	18 129	11 111	16	10 88	7	185 330	18 32	39 209	34 86 79
\$100 to \$119 \$120 to \$149	2 049 3 551	122 260	370 605	171 290	192 289	79 86	85 190	9 43 8	518 997	29 46	395 625	79 120 49
\$150 to \$199 \$200 to \$299 \$300 or more	2 682 377 10	210 24	461 71 5	228 32	289 31	61	158 23	- 8	865 137 5	34 7	319 33	19
No cosh rent	54	-	-	_	23	5	_	-	9	-	10	7
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME Specified renter occupied?	10 923	704	1 726	882	965	330	580	8.5	3 173	180	1 404	
Less than \$5,000 Less than 20 percent	4 960 94	180	202	78 9	197	132	228 12	54	2 240 33	74	1 806 1 125 17	492 450 5
25 to 34 percent	104 632	31	8 44	29	17 34	7 44	5 32	5	38 269	10	24 85	54
35 percent or mare Not computed	3 594 536	138	144	35 5	124 22	70 7	159 20	38 11	1 632 268	55	859 140	340 51
\$5,000 to \$9,999 Less than 20 percent	3 879 1 394	352 132	781 394	428 180	416 161	124 37	264 62	24 8	747 170	73 42	628 187	42 21
25 to 34 percent 35 percent or more	980 1 155 345	71 126 23	166 178 43	105 109 34	131 102 22	36 36 10	63 109 30	7 4 5	186 275 116	11 17 3	193 195 53	11
Not computed \$10,000 to \$14,999	5 1 594	134	610	319	199	5 35	71	-	149	24	53	-
20 to 24 percent	1 436 138	129 5	536 74	299 20	179 14	35	65 6	-	121 14	24	48 5	-
25 percent or more Not computed \$15,000 or more	20 - 490	38	133	- 57	6 153	39	- 17	7	14 - 37	-	-	-
less than 20 percent 20 to 24 percent	473 5	38	128 5	57	141	39	17	7	37 37	9	<u> </u>	-
25 percent or more Not computed	12			-	12	-	=	_	~	-		-

Limited to one-family homes on less than 10 acres and no business on property. 2Excludes one-family homes on 10 acres or more.

Table B-18. Persons in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

	(Data based on	sample, see text.	For minimum be	se for derived fi	gures (percent, r	median, etc.) and	meaning of syml	ools, see text]		
Hartford	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	1 973	178	382	367	333	240	175	200	98	3.7
None and 1	95 503 840	61 53 90	34 193 67	120 100	81 122	16 201		- 101		2.5
4 or more YEAR STRUCTURE BUILT 1969 to March 1970	508	16	17	94	58		139 36	101 120	20 81	4.7 5.3
1965 to 1968	8 5 44 248	5 5 10	- 17 60	- - 34	- 9 54	- 9 23	8 - - 35	- - 4: 27	- - 5	3.9
1940 to 1949 1939 or earlier	411 1 257	45 113	62 243	58 275	87 183	47 161	27 105	44 125	41 52	3,9 4.0 3.5
l	849 1 124 -	100 78 ~	116 266 -	131 236	171 162 ~	106 134	73 102	101 99	51 47	4.0 3.4
COMPLETE BATHROOMS 1 and 1 1/2	1 681 220 42 26	150 11 	339 30 23	305 52 18	291 30 6 8	177 31 -	164 12 6	173 35 7	82 19 -	3.7 4.1
HOUSEHOLD COMPOSITION Twe-or-more-person households Male head, wife present, no nonrelatives Under 25 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over	667 94		382 277 - 22 57 145 53	367 250 44 45 135 26	333 287 10 64 89	240 216 6 44 68 88 10	175 154 4 20 72 58	200 183 - 9 84 85	98 88 5 51 32	3.9 4.2 4.1 5.1 3.9
Other male head	94 78 16 246 216 30 178	178	37 30 7 68 63 5	25 22 3 92 72 20	14 8 6 32 27 5	24 24 	10 10 11 11	8 7 9 9	10	3.1 3.1 3.1
Specified owner-occupied' Less than 1.5 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	246	100 - 9 - 14 3 37 37	111 14 31 22 24 - 20	126 33 40 29 9 - 15	166 78 54 16 18 -	100 39 21 16 16 5 3	69 29 10 14 16	89 26 14 30 8 - 6	51 27 5 9 - 10	3.9 4.5 3.7 4.6 3.8
Renter occupied housing units	10 967	2 298	2 541	1 895	1 578	1 110	736	522	287	2.8
None	297 2 794 5 132 2 752	297 1 214 752 170	970 1 345 271	384 1 376 315	- 80 797 507	44 547 446	82 175 392	104 419	20 36 232	1.7 2.8 4.8
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	156 468 423 1 353 1 593 6 974	72 163 152 215 203 1 493	37 119 114 310 296 1 665	34 76 51 298 273 1 163	50 54 211 259 1 004	24 22 98 204 762	13 27 15 87 190 404	- 3 10 70 95 344	- 6 5 64 73 139	1.7 2.1 2.0 3.0 3.6
UNITS IN STRUCTURE 2 3 and 4 5 to 9 10 to 19 20 or mare Mobile home or troiler	385 1 128 3 645 2 633 2 303 873	52 130 549 530 682 355	71 262 739 654 604 211	75 221 688 456 319 136	69 141 657 410 245 56	46 135 414 258 201 56	31 102 268 152 157 26	35 61 252 104 51	6 76 78 69 44 14	2.8 3.4 3.3 3.3 2.8 2.3 1.9
COMPLETE BATHROOMS 1 and 1 1/2 2 or more	10 263 120 520	2 064 9 186	2 408 16 111	1 769 14 60	1 470 21 91	1 143 12 -	699 - 46	457 18 15	253 30 11	2.9
Two-or-more-person households Male head, wife present, no nonrelatives	8 669 4 623 710 1 730 888 965 330 665 580 85 3 381 3 194 187 2 298		2 541 1 182 148 356 151 342 185 392 338 54 967 890	1 895 1 002 287 365 146 161 43 119 98 21 774 692 82	1 578 871 158 371 167 152 23 36 33 671 660	1 110 635 83 238 149 119 46 53 53 422 414 8	736 396 18 211 85 68 14 51 44 7 289 284	522 351 11 151 97 73 19 10 10 10 161	287 186 5 38 93 50 - 4 4 4 - 97 93	3.4 3.6 3.2 3.9 4.4 2.3 2.4 2.3 2.4 3.5 2.7
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied? Less than 10 percent. 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed 'Limited to age-family homes on less than	10 923 364 1 366 1 667 1 227 1 807 3 939 553	2 298 9 80 189 233 338 1 258 191	2 534 71 293 358 302 417 945 148	1 885 43 308 343 178 362 580 71	1 563 91 282 261 206 192 479 52	1 110 46 168 218 134 199 310 35	731 39 111 148 87 142 181 23	515 40 79 100 58 110 110	287 25 45 50 29 47 76 15	2.8 4.1 3.5 3.3 2.9 2.9 2.3 2.1

Limited to one-family homes on less than 10 acres and no business on property,

*Excludes one-family homes on 10 ocres or more.

Appendix A.—AREA CLASSIFICATIONS

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USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to 1790, each person enumerated in the 1970 census was counted as an inhabitant of his usual place of residence, which is generally construed to mean the place where he lives and sleeps most of the time. This place is not necessarily the same as his legal residence, voting residence, or domicile. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics although there may be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishing of residence rules for certain categories of persons whose usual place of residence is not immediately clear. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be found by the census enumerators. Persons without a usual place of residence were, however, counted where they were enumerated. Detailed information on residence rules is given in the 1970 Population Census PC(1)-A reports.

COUNTIES

The primary divisions of the States are, in general, termed counties, but in Louisiana these divisions are known as parishes. There are no counties in Alaska; in this State, statistical areas called census divisions were developed

for general statistical purposes through the cooperation of the State and the Census Bureau and are treated as county equivalents. In four States (Maryland, Missouri, Nevada, and Virginia), there are one or more cities which are independent of any county organization and thus constitute primary divisions of their States.

PLACES

Two types of places are recognized in the census reports, incorporated places and unincorporated places. Incorporated places are political units incorporated as cities, boroughs, towns, and villages except for (a) boroughs in Alaska and (b) towns in the New England States, New York, and Wisconsin. Unincorporated places are closely settled population centers without corporate limits for which the Census Bureau has delineated boundaries. Each place so delineated possesses a definite nucleus of residences and has its boundaries drawn to include, if feasible, all the surrounding closely settled area. Unincorporated places are identified with the letter "U."

STANDARD METROPOLITAN STATISTICAL AREAS

The Bureau of the Census recognizes 243 standard metropolitan statistical areas (SMSA's) in the United States and 4 in Puerto Rico, making a total of 247 in the 1970 census. These include the 231 SMSA's as defined and named in the Bureau of the Budget publication, Standard Metropolitan Statistical Areas: 1967, U.S. Government Printing Office, Washington, D.C. 20402. Since 1967, 16 SMSA's have been added, of which two were defined in January 1968 and an additional 14 were defined in February

1971 on the basis of the results of the 1970 census. Changes in SMSA boundaries or titles made after February 1971 are not recognized in this series of reports. SMSA's are defined by the Office of Management and Budget (formerly Bureau of the Budget).

Except in the New England States, a standard metropolitan statistical area is a county or group of contiguous counties which contains at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. In addition to the county or counties containing such a city or cities, contiquous counties are included in an SMSA if, according to certain criteria, they are socially and economically integrated with the central city. In the New England States, SMSA's consist of towns and cities instead of counties. Each SMSA must include at least one central city, and the complete title of an SMSA identifies the central city or cities. For a detailed description of the criteria used in defining SMSA's, see the Bureau of the Budget publication cited above.

The figures for central cities shown in this report may differ from those shown in the Housing Census HC(1)-A and HC(1)-B reports. In those reports, if a central city of an SMSA is an extended city (so designated because it has extended its boundaries to include territory essentially rural in character), the figures shown for the central city were restricted to the urban portion of the city. In addition, parts of central cities outside the SMSA boundaries were excluded from the central city tabulations. In this report, however, figures for central cities refer to the entire population and housing within the legal city boundaries, including any rural parts of the city or parts outside the SMSA.

Appendix B.—DEFINITIONS AND EXPLANATIONS OF SUBJECT CHARACTERISTICS

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GENERAL

Self-enumeration and census questionnaire.-As stated in the introductory text of this report, the 1970 census was conducted primarily through selfenumeration. Furthermore, census takers were instructed to read the questions directly from the questionnaire in their telephone and personal visit interviews. The questionnaire pages containing the housing questions asked on a 100-percent basis and the additional questions asked on a sample basis, as well as the page of the respondent instruction sheet which relates to these questions, are reproduced on pages App-10 to App-13. The definitions and explanations given below for each subject are, to a considerable extent, drawn from various technical and procedural materials used in the collection of the data. This material helped the enumerative personnel to understand more fully the intent of each question and thus to resolve problem or unusual cases. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.

Comparability with 1960 data.-Although the 1970 data are generally comparable with the data collected in 1960, certain changes have been introduced. The 1960 inquiry regarding owner occupancy has been subdivided to show a separate category for cooperatives and condominiums in 1970. The 1960 question on cooking equipment was broadened in 1970 to cover "complete kitchen facilities"; i.e., an installed sink with piped water, a range or cookstove, and a mechancial refrigerator. On the other hand, the 1960 question on condition of housing unit (i.e., sound, deteriorating, or dilapidated) was eliminated because of serious problems with response reliability.

Items which were added to the 1970 questionnaire are dishwasher and owned second home. The 1960 inquiry on television has been subdivided to provide separate information on television sets which can receive UHF broadcasts. The 1970 inquiry on radios is limited to battery-operated sets including car radios, whereas the 1960 inquiry covered radio sets of all kinds located in the unit. Data on television sets and radios are not given in this report; statistics on these appliances, however, are presented in the 1970 Housing Census, HC(1)-B reports.

There have also been changes in the scope of some of the tabulations. The tabulations on value and contract rent refer to slightly different sets of housing units in 1970 than in 1960. Summarized generally, the difference is that the 1970 data exclude units on places of 10 acres or more whereas the 1960 data exclude units on farms; more specific information can be obtained by comparing the value and rent definitions in the present report with those in 1960 Housing Census Volume I.

Data on elevator in structure were collected for all geographic areas in 1970. In 1960, statistics on elevator in structure were collected only for large places; that is, places which had a population of 50,000 or more in 1950 or in an interim census.

Separate data on a number of subjects are presented for occupied units with Negro head of household. In 1960, this type of tabulation related to the total of all household heads other than white; Negro household heads constituted 95 percent of this total in 1960 for the Nation as a whole, but this proportion varied widely among areas.

Separate data are also shown in this report for housing units occupied by heads of Spanish heritage, that is, household heads of Spanish language or Spanish surname in five Southwestern States (Arizona, California, Colorado, New Mexico, and Texas), heads of Puerto Rican birth or parentage in New York, New Jersey, and Pennsylvania, and heads of Spanish language in all other States. In 1960, household heads of Spanish surname were identified in the five Southwestern States and Puerto Rican heads of households were identified in all other States. More information on the 1970 definition is given in this report and in the 1970 Population Census Series PC(1)-C reports; the 1960 definition is more fully explained in the 1960 Census of Housing Volume I reports.

LIVING QUARTERS

Living quarters are classified in the census as either housing units or group quarters. Usually, living quarters are in structures intended for residential use (e.g., a one-family home, apartment house, hotel or motel, boarding house,

mobile home or trailer, etc.). Living quarters may also be in structures intended for nonresidential use (e.g., the rooms in a warehouse where a watchman lives), as well as in tents, caves, old railroad cars, etc.

Housing units.—A housing unit is a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. Separate living quarters are those in which the occupants do not live and eat with any other persons in the structure and which have either (1) direct access from the outside of the building or through a common hall or (2) complete kitchen facilities for the exclusive use of the occupants. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements (except as described in the section on group quarters). For vacant units, the criteria of separateness, direct access, and complete kitchen facilities for exclusive use are applied to the intended occupants, whenever possible, if the information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing inventory, except that mobile homes, trailers, tents, caves, boats, railroad cars, and the like, are included only if they are occupied.

Group quarters.—Group quarters are living arrangements for institutional inmates or for other groups containing five or more persons not related to the person in charge. Group quarters are located most frequently in institutions, boarding houses, military barracks, college dormitories, fraternity and sorority houses, hospitals, mona-

steries, convents, and ships. A house or apartment is considered group quarters if it is shared by the person in charge and five or more persons unrelated to him, or if there is no person in charge, by six or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the census.

Rules for mobile homes, hotels, rooming houses, etc.—Mobile homes or trailers, tents, boats, or railroad cars are not enumerated if vacant, used only for business, or used only for vacations.

Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels, motels, and similar places in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have either direct access or complete kitchen facilities for exclusive use, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain four or fewer roomers unrelated to the head, they are classified as one housing unit; if the combined quarters contain five or more roomers unrelated to the head or person in charge, they are classified as group quarters. In a dormitory, residence hall, or similar place, living quarters of the supervisory staff and other employees are separate housing units if they satisfy the housing unit criteria; other living quarters are considered group quarters.

Institutions.—Living quarters of staff personnel are separate housing units if they satisfy the housing unit criteria. Other living quarters are considered group quarters.

OCCUPANCY AND VACANCY CHARACTERISTICS

Occupied housing units.—A housing unit is classified as occupied if a person or group of persons is living in it at the time of enumeration or if the occupants are only temporarily absent—for example, on vacation. However, if the persons staying in the unit have their usual place of residence elsewhere, the unit is classified as vacant.

A household consists of all the persons who occupy a housing unit. By definition, therefore, the count of occupied housing units is the same as the count of households in the 1970 Census of Population reports. In some cases, however, there may be small differences in the counts resulting from processing procedures.

Race.—The classification by race shown here refers to the race of the head of the household occupying the housing unit. Detailed characteristics of units with Negro head of household are presented in separate tables for SMSA's, cities or places having a Negro population of 25,000 or more. The concept of race as used by the Census Bureau does not denote clear-cut scientific definitions of biological stock. The data represent essentially self-classification by people according to the race with which they identify themselves.

Spanish heritage.—The inquiries in the 1970 census permit the identification of housing units occupied by heads of Spanish heritage by various means: birthplace, birthplace of parents, language, and surname. The specific types of identification are given below. A more detailed explanation is given in the 1970 Population Census PC(1)-C reports.

Puerto Rican birth or parentage.— Household heads of Puerto Rican birth or parentage are identified in the three Middle Atlantic States: New York, New Jersey, and Pennsylvania.

Spanish language or Spanish surname.—In five Southwestern States — Arizona, California, Colorado, New Mexico, and Texas — household heads of Spanish language or Spanish surname are identified. (A household head is classified as of Spanish language if the head or his wife reported Spanish as his or her mother tongue, i.e., the language spoken at home when the person was a child.)

Spanish language.—In all other States and the District of Columbia, households heads of Spanish language (as defined above) are identified.

Detailed characteristics of units with heads of Spanish heritage are presented in separate tables for SMSA's, cities or places having a population of 25,000 or more for the particular Spanish-heritage group.

Tenure.—(See facsimiles of questionnaire item H9 and instructions on pages App-10 and App-13.) A housing unit is "owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. A cooperative or condominium unit is "owner occupied" only if the owner or co-owner lives in it. All other occupied units are classified as "renter occupied," including units rented for cash rent and those occupied without payment of cash rent.

Year moved into unit.-Data on year moved into unit are based on the information reported for the head of the household. The question refers to the year of latest move. Thus, if the head moved back into a unit he had previously occupied, the year of his latest move was to be reported; if he moved from one apartment to another in the same building, the year he moved into his present unit was to be reported. The intent is to establish the year the present occupancy by the head began. The year the head moves is not necessarily the same year other members of the household move, although in the great majority of cases the entire household moves at the same time.

Vacant housing units.—A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. In addition, a vacant unit may be one which is occupied entirely by persons who have a usual residence elsewhere.

New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if unfit for human habitation; that is, if the roof, walls, windows, or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is to be demolished or is condemned. Also

excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

Vacancy status.—(See facsimile of questionnaire item C on page App-10.) Vacant housing units are classified as either "seasonal and migratory" or "year-round." "Seasonal" units are intended for occupancy during only certain seasons of the year. Included are units intended for recreational use. such as beach cottages and hunting cabins, and vacant units held for herders and loggers. "Migratory" units are vacant units held for occupancy by migratory labor employed in farm work during the crop season. "Yearround" vacant housing units are available or intended for occupancy at any time of the year. A unit in a resort area which is usually occupied on a year-round basis is considered yearround. A unit used only occasionally throughout the year is also considered year-round.

This report presents statistics for "year-round" vacant units on the market for sale or for rent. Excluded are "seasonal and migratory" vacant units, as well as "year-round" vacant units sold or rented but not yet occupied by the new owner or renter, units held for the occasional use of the owner, and units held off the market for other reasons.

Vacant for sale.—Vacant year-round units "for sale" also include vacant units in a cooperative or condominium building if the individual units are offered for sale only.

Vacant for rent.—Vacant yearround units "for rent" also include vacant units offered either for rent or for sale. Duration of vacancy.—(See facsimile of questionnaire item D on page App-10.) The statistics on duration of vacancy refer to the length of time (in months) from the date the last occupants moved from the unit to the date of enumeration. The data, therefore, do not provide a direct measure of the total length of time units remain vacant. For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed.

UTILIZATION CHARACTERISTICS

Persons.—All persons occupying the housing unit are counted. These persons include not only occupants related to the head of the household but also any lodgers, roomers, boarders, partners, wards, foster children, and resident employees who share the living quarters of the household head. The data on "persons" show the number of housing units occupied by the specified number of persons.

Units with one or more roomers, boarders, or lodgers are shown as a separate category. Not included as "roomers, boarders, or lodgers" are servants who live in, companions, partners, etc.

Rooms.—(See facsimiles of questionnaire item H4 and instructions on pages App-10 and App-13.) The statistics on "rooms" are in terms of the number of housing units with specified number of rooms. The intent of this question was to count the number of whole rooms used for living purposes. As stated on the questionnaire and instruction sheet, bathrooms, foyers, utility rooms, unfinished attics or basements, etc., are not included in the count of rooms.

Persons per room.—"Persons per room" is computed for each occupied unit by dividing the number of persons in the unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of housing units having the specified ratio of persons per room.

Bedrooms.-(See facsimile of questionnaire item H26 on page App-12.) The number of bedrooms in the unit is the count of rooms used mainly for sleeping, even if also used for other purposes. Rooms reserved for sleeping such as guest rooms, even though used infrequently, are counted as bedrooms. On the other hand, rooms used mainly for other purposes, even though used also for sleeping, such as a living room with a hideaway bed, are not considered bedrooms. A housing unit consisting of only one room, such as one-room efficiency apartment, is classified, by definition, as having no bedroom.

STRUCTURAL AND PLUMBING CHARACTERISTICS

Direct access.—(See facsimiles of questionnaire item H2 and instructions on pages App-10 and App-13.) A housing unit is regarded as having direct access if there is (1) a direct entrance from the outdoors, or (2) an entrance from a hall, lobby, or vestibule which is usually used by the occupants of more than one unit or by the general public.

Complete kitchen facilities.—(See facsimiles of questionnaire item H3 and instructions on pages App-10 and App-13.) A unit has complete kitchen facilities when it has all three of the

following: (1) an installed sink with piped water, (2) a range or cookstove, and (3) a mechanical refrigerator.

All kitchen facilities must be located in the structure. They need not be in the same room. Quarters with only portable cooking equipment are not considered as having a range or cookstove. An icebox is not included as a mechanical refrigerator.

The kitchen facilities are for the exclusive use of the occupants (shown on the questionnaire as "for this household only") when they are used only by the occupants of one housing unit, including lodgers or other unrelated persons living in the unit. When a structure consists of only one housing unit, all equipment located inside the structure is classified, by definition, for exclusive use.

Year structure built.—(See facsimile of questionnaire item H15 on page App-11.) Year structure built refers to when the building was first constructed, not when it was remodeled, added to, or converted. The figures relate to the number of units in structures built during the specified periods and in existence at the time of enumeration.

Units in structure.—(See facsimiles of questionnaire item H16 and instructions on pages App-11 and App13.) In the determination of the number of units in a structure, all housing units, both occupied and vacant, were counted. The statistics are presented in terms of the number of housing units in structures of specified type and size, not in terms of the number of residential structures.

A structure is a separate building that either has open space on all sides or is separated from other structures by dividing walls that extend from ground to roof. Structures containing only one housing unit are further classified as detached or attached (as explained on the questionnaire and instruction sheet).

Mobile homes and trailers are shown as a separate category. When one or more rooms have been added to a mobile home or trailer it is classified as a one-family house. If, however, only a porch or shed has been added, it is still counted as a mobile home or trailer.

The data on units in structure shown in this report may differ from the comparable figures in the HC(1)-A report. The answers to item H16 on the sample questionnaire made it possible in the HC(2) tabulations to correctly classify as mobile homes or trailers those which were incorrectly classified as one-family houses or as housing units in multiunit structures in the HC(1)-A tabulations.

Elevator in structure.—(See facsimiles of questionnaire item H24 and instructions on pages App-12 and App-13.) Statistics on elevator in structure are presented in terms of the number of housing units in structures with four stories or more which have a passenger elevator. Units are in a "walk-up" structure of four stories or more if the structure has no passenger elevator or if the only elevator service is for freight.

Plumbing facilities.—(See facsimiles of questionnaire items H5, H6, and H7 and instructions on pages App-10 and App-13.) The category "with all plumbing facilities" consists of units which have hot and cold piped water inside the structure as well as a flush toilet and a bathtub or shower inside the structure for the exclusive use of the occupants of the unit. "Lacking some or all plumbing facilities" means that the unit does not have all three

specified plumbing facilities (hot and cold piped water, as well as flush toilet and bathtub or shower inside the structure), or that the toilet or bathing facilities are also for the use of the occupants of other housing units.

Complete bathrooms.—(See facsimile of questionnaire item H21 on page App-11.) A housing unit is classified as having a complete bathroom if it has a room with a flush toilet and bathtub or shower for the exclusive use of the occupants of the unit and a wash basin, as well as piped hot water in the structure. (Although the instructions on the questionnaire do not specify that a complete bathroom must have hot water, this requirement was applied during the processing of the data in an edit combining the items on complete bathrooms and piped water in structure.) A half bathroom has either a flush toilet or a bathtub or shower for exclusive use, but does not have all the facilities for a complete bathroom.

The category "none or also used by another household" consists of units with no bathroom facilities, units with only a half bathroom, and units with bathroom facilities which are also for the use of the occupants of other housing units.

EQUIPMENT, FUELS, AND APPLIANCES

Heating equipment.—(See facsimiles of questionnaire item H14 and instructions on pages App-11 and App-13.) "Steam or hot water" refers to a central heating system in which heat from steam or hot water is delivered through radiators or other outlets. "Warm-air furnace" refers to a central system which provides warm air through ducts leading to various rooms; central heat pumps are

included in this category. "Built-in electric units" are permanently installed in floors, walls, or ceilings. A "floor, wall, or pipeless furnace" delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. "Other means" includes room heaters with or without flue, fireplaces, stoves, and portable heaters of all types.

For vacant units from which the heating equipment had been removed, the equipment used by the last occupants was to be reported.

Air conditioning,—(See facsimiles of questionnaire item H22 and instructions on pages App-11 and App-13.) Air conditioning is defined as the cooling of air by a refrigeration unit; excluded are evaporative coolers, fans, or blowers which are not connected to a refrigeration unit. A central system is central installation which airconditions the entire housing unit. In apartment building, a central system may cool all apartments in the building, each apartment may have its own central system, or there may be several systems, each providing central air conditioning for a group of apartments. A central installation with individual room controls is a central air-conditioning system. A room unit is an individual air conditioner which is installed in a window or an outside wall and is generally intended to cool one room, although it may sometimes be used to cool more than one room.

Automobiles available.—(See facsimiles of questionnaire item H23 and instructions on pages App-11 and App-13.) Statistics on automobiles available represent the number of passenger automobiles, including station wagons, which are owned or regularly used by any member of the household and

which are ordinarily kept at home. Taxicabs, pickups, or larger trucks were not to be counted. The figures include leased automobiles and company-owned automobiles kept at home. The statistics, therefore, do not reflect the number of automobiles privately owned or the number of households owning automobiles.

Appliances.—(See facsimiles of questionnaire items H27 and instructions on pages App-12 and App-13.)

Automatic clothes washing machine.—This category describes a machine that washes, rinses, and damp dries in the same tub; washer-dryer combinations are included in this group.

Clothes dryer.—A clothes dryer is a mechanical appliance in which clothes are dried by heated air. A unit with a washer-dryer combination is classified as having a clothes dryer (as well as an automatic clothes washing machine.)

Dishwasher.—This category includes both built-in and portable dishwashers.

Home food freezer.—A home food freezer is an appliance, separate from the refrigerator, designed for freezing food and for storing frozen food.

Owned second home.—(See facsimiles of questionnaire item H30 and instructions on pages App-12 and App-13.) A second home may be a single-family house, vacation cottage, hunting cabin, ski lodge, etc., which is owned and held for use sometime during the year by the owner or members of his household. Second homes may also be owned in partnership with members of a different household. The figures include second homes which are some-

times rented or leased on a short-term basis to other persons but are principally held for the owner's occasional use during the year.

The statistics refer to the number of households that own (one or more) second homes. The data, therefore, do not reflect the number of owned second homes.

FINANCIAL CHARACTERISTICS

Value.—(See facsimiles of questionnaire item H11 and instructions on pages App-10 and App-13.) Value is the respondent's estimate of how much the property (house and lot) would sell for if it were for sale. The statistics on value are shown only for one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The value tabulations also exclude mobile homes and trailers and units in cooperatives and condominiums.

As stated in the section on "units in structure," certain mobile homes and trailers were incorrectly classified as one-family houses in the HC(1)-A tabulations. In the HC(2) reports, the number of specified owner-occupied (one-family) units and the value tabulations correctly exclude the misclassified mobile homes and trailers; these tend to be at the lower end of the value distribution. As a result, the data on value shown in this report may differ from the comparable statistics in the HC(1)-A report.

Sales price asked.—For vacant units, the sales price is the amount asked for the property at the time of enumeration. The statistics on sales price are shown only for vacant for sale one-family houses on less than 10 acres without a commercial establishment or medical office on the property.

Gross rent.-(See facsimiles of questionnaire items H12 and H13 and instructions on pages App-10, 11, and 13.) The computed rent termed "gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, water) and fuels (oil, coal, kerosene, wood, etc.), if these items are paid for by the renter (or paid for him by someone else, such as a relative, welfare agency, or friend) in addition to rent. Contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included. Thus, gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuel as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis but they are converted to monthly figures in the computation process.

The statistics on rent exclude onefamily houses on ten acres or more. Renter units occupied without payment of cash rent are shown separately as "no cash rent" in the rent tabulations.

Rent asked.—For vacant units, the rent is the amount asked for the unit at the time of enumeration. The data are for vacant year-round units for rent, excluding one-family houses on ten acres or more. In table 10, data are provided for two kinds of vacant-for-rent units—those for which the rent includes payment for all utilities and fuel, and those for which the rent includes only some or none of the utilities and fuel. See section on "Gross rent" above for discussion of utilities and fuel.

Value-income ratio.—The value-income ratio is computed by dividing the value

of the housing unit by the total income in 1969 of the family or primary individual. The ratio is presented for the same owner-occupied units for which value was tabulated; thus, the statistics on value-income ratio reflect the exclusion of certain owner-occupied units. The ratio was computed separately for each unit and was rounded to the nearest tenth. In reporting value, respondents were asked to select an appropriate class interval. The midpoints of the value intervals were used in the computation of the value-income ratio, except that a mean of \$3,500 was assigned for values less than \$5,000 and a mean of \$60,000 was assigned for values of \$50,000 or more. For income, the dollar amounts were used. Units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

Gross rent as percentage of income. -The yearly gross rent (monthly gross rent multiplied by 12) is expressed as a percentage of the total income in 1969 of the family or primary individual. The percentage is presented for the same renter-occupied units for which gross rent was tabulated; thus, the statistics on gross rent as percentage of income reflect the exclusion of certain renter-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. For gross rent, the dollar amounts were used in the computation except that \$999 was assigned for monthly rentals of \$1,000 or more. For income, the dollar amounts were used. Units for which no cash rent is paid and units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

HOUSEHOLD CHARACTERISTICS

Head of household.—One person in each household is designated as the "head," that is, the person who is regarded as the head by the members of the household. However, if a married woman living with her husband is reported as the head, her husband was considered the head for the purpose of simplifying the tabulations.

Household composition.—Statistics by age of head are presented separately for two-or-more person households and for one-person households. Households having two or more persons are further subdivided as follows:

Male head, wife present, no nonrelatives.—Each household in this group consists of the head and his wife, and other persons, if any, all of whom are related to him.

Other male head.—This category includes households with male head, wife present, with non-relatives living with them; male heads who are married, but with wife absent because of separation or other reason where husband and wife maintain separate residences; and male heads who are widowed, divorced, or single.

Female head.—This group comprises households with female heads regardless of their marital status. Included are female heads with no spouse and female heads whose husbands are living away from their families, as for example, husbands in the Armed Forces living on military installations.

Households consisting of only one person are shown separately as "one-person households" and are not included in the subcategories "other male head" and "female head."

Nonrelative.—A nonrelative of the head is any person in the household who is not related to the head by blood, marriage, or adoption. Roomers, boarders, lodgers, partners, resident employees, wards, and foster children are included in this category.

Family or primary individual.—Housing units are occupied by either "families" or "primary individuals." The term "family" refers to the head of a household and all (one or more) other persons living in the same household who are related to the head by blood, marriage, or adoption. If the head lives alone or with nonrelatives only, then the head is considered a "primary individual."

Married couples related to the head of a family are included in the family and are not considered as separate families. A lodger, servant, or other person unrelated to the head is considered a member of the household but not of the family.

In the statistics on household composition, families are always included in one of the three major groups of two-or-more person households. Primary individuals with nonrelatives living with them are tabulated as "other male head" or "female head." Primary individuals living alone are always tabulated as "one-person households."

Income in 1969.—Income is the sum of the amounts reported for wage and salary income, net self-employment income, Social Security or railroad retirement income, public assistance or welfare income, and all other income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, bond purchases, union dues, health insurance premiums, Medicare deductions, etc.

In this report, the statistics relate to the income of the family or primary individual occupying the housing unit; that is, the sum of the income of the head of the family and all other members of the family 14 years old and over or the income of the primary individual. Incomes of persons living in the unit but not related to the head of the household are not included in this sum. Although the income statistics cover the calendar year 1969, the characteristics of the household refer to the time of enumeration (April 1970). Thus, the income of the family does not include amounts received by persons who were members of the family during all or part of the calendar year 1969 if these persons no longer resided with the family at the time of the census. On the other hand, family income includes amounts reported by related persons who did not reside with the family during 1969 but who were members of the family at the time of enumeration. For most families, however, the income reported was received by persons who were members of the family throughout 1969.

Wage or salary income is defined as the total money earnings received for work performed as an employee at any time during the calendar year 1969. It includes wages, salary, pay from Armed Forces, commissions, tips, piece rate payments, and cash bonuses earned. Net self-employment income is defined as net money income (gross receipts minus operating expenses) received from a business, farm, professional enterprise, or partnership in which the person was engaged on his own account.

Social Security or railroad retirement income includes cash receipts of Social Security pensions, survivors' benefits, permanent disability insurance payments, and special benefit payments made by the Social Security Administration. Cash receipt of retire-

ment, disability, and survivors' benefit payments made by the U.S. Government under the Railroad Retirement Act are also included. Public assistance income includes cash receipts of payments made under the following public assistance programs: Aid to families with dependent children, old age assistance, general assistance, aid to the blind, and aid to the permanently and totally disabled. Separate payments received for hospital or other medical care are not included.

Income from all other sources includes money income received from sources such as interest; dividends; net income (or loss) from property rentals; net receipts from roomers or boarders; veteran's payments; public or private pensions; periodic receipts from insurance policies or annuities; unemployment insurance benefits; workmen's compensation cash benefits; net royalties; periodic payments from estates and trust funds; alimony or child support from persons who are not members of the household; net gambling gains; nonservice schölarships and fellowships; and money received for transportation and/or subsistence by persons participating in special governmental training programs, e.g., under the Manpower Development and Training Act.

Receipts from the following sources were not included as income: Money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" such as food produced and consumed in the home or free living quarters; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts. (A more detailed discussion of income is given in the 1970 Population Census, PC(1)-C reports.)

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES (Questions on this page appeared on both the 15-percent and 5-percent questionnaires)

A. How many living quarters, occupied and vacant, are	H9. Are your living quarters—	FOR CENSUS
at this address?	O Owned or being bought by you or by someone else	ENUMERATOR'S USE
O One	in this household? Do not include cooperatives and	ONLY
 2 apartments or living quarters 	condominiums here.	a4. Block a5. Serial
O 3 apartments or living quarters	O A cooperative or condominium which is owned or being	number number
O 4 apartments or living quarters	bought by you or by someone else in this household?	N I
O 5 apartments or living quarters	O Rented for cash rent?	N #000 #000 #
O 6 apartments or living quarters	O Occupied without payment of cash rent?	N 100010001
O 7 apartments or living quarters		200020002
O 8 apartments or living quarters		300030003
O 9 apartments or living quarters	H10a. Is this building a one-family house?	1 400040004
O 10 or more apartments or living quarters	O Yes, a one-family house	700010001
O This is a mobile home or trailer	O No, a building for 2 or more families	N (II)
	or a mobile home or trailer	N . a a a s a a a a
• 🖫 -	The state of the s	500050005
	b. If "Yes"— is this house on a place of 10 acres or more,	600060006
Answer these questions for your living quarters	or is any part of this property used as a commercial	N 700070007
	establishment or medical office?	800080008
H1. Is there a telephone on which people in your living	O Yes, 10 acres or more	900090009
quarters can be called?		N I
O Yes What is	O Yes, commercial establishment or medical office	N
O No the number?	O No, none of the above	B. Type of unit or quarters
Phone number	•	N-
L	W11 Hand line in a constant to the Line	Occupied
H2. Do you enter your living quarters—	H11. If you live in a one-family house which	O First form
	you own or are buying	O Continuation
O Directly from the outside or through	What is the value of this property; that is, how much	N .
a common or public hall?	do you think this property (house and lot) would sell for	<u>Vacant</u>
O Through someone else's living quarters?	if it were for sale?	O Regular
	O Less than \$5,000 If this house	O Usual residence
No the same have associate black of the same	O \$5,000 to \$7,499 is on a place	- elsewhere
H3. Do you have complete kitchers facilities?	O \$7,500 to \$9,999 of 10 acres or	Cisconius
Complete hischen facilities are a sink wish piped	more, or if	Group quarters
water, a range or cook slove, and a refrigerator.	O \$10,000 to \$12,499 any part of	O First form
O Yes, for this household only	O \$12,500 to \$14,999 this property	O Continuation
O Yes, but also used by another household	O \$15,000 to \$17,499 is used as a	N Continuation
O No complete kitchen facilities for this household	O \$17,500 to \$19,999 commercial	For a vacant unit, also full
	September Septem	C, D, A, H2 to H8, and
144. How many rooms do you have in your living quarters?		H10 to H12
Do not count bathrooms, porches, balconies, foyers,	\$25,000 to \$34,999 office, do \$35,000 to \$49,999 not answer	N
halls, or half-rooms.	O \$50,000 or more this question.	N
	C \$30,000 or lifely	Ν
		Ν
O 2 rooms O 7 rooms	H12. Answer this question if you pay rent for your living quarters.	C. Vacancy status
O 3 rooms O 8 rooms	a. If rent is paid by the month	Year round-
O 4 rooms O 9 rooms or more		k1 ———
O 5 rooms	What is the monthly rent?	O For rent
		O For sale only
H5. Is there hot and cold piped water in this building?	Write amount here - 00 (Nearest dollar)	Rented or sold, not
O Yes, hot and cold piped water in this building	· I	occupied
O No, only cold piped water in this building	and (C)	O Held for occasional use
O No piped water in this building	O Less than \$30	O Other vacant
The state of the s	Fill one circle \$30 to \$39	N
	O \$40 to \$49	○ <u>Seasonal</u>
H6. Do you have a flush toilet?	○ \$50 to \$59	N ○ Migratory
O Yes, for this household only	O \$60 to \$69	N was
O Yes, but also used by another household	O \$70 to \$79	N 📟
O No flush toilet	O \$80 to \$89	Y
- THE HUSTI KNIEK	O \$90 to \$99	D. Months vacant
	O \$30 to \$33	O Less than 1 month
	O \$100 to \$119	O 1 up to 2 months
H7. Do you have a bathtub or shower?	O \$120 to \$149	O 2 up to 6 months
O Yes, for this household only	O \$150 to \$199	O 6 up to 12 months
O Yes, but also used by another household	O \$200 to \$249	O 1 year up to 2 years
O No bathtub or shower	O \$250 to \$299	O 2 years or more
	O \$300 or more	7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -
MR. In there is becoment to this built in		C/O O O
HB. Is there a basement in this building?	b. If rent is not paid by the month—	Ν
O Yes	What is the rent, and what period of time does it cover?	Ν
O No, built on a concrete slab		N
O No, built in another way (include mobile homes	The state of the s	N
and trailers)	.00 per	N
	(Nearest dollar) (Week half-month war atc)	L'N

APPENDIX B-Continued

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES (Percent indicates sample size)

	H13. Answer question H13 if you pay rent for your living quarters. In addition to the rent entered in H12, do you also pay for— a. Electricity? O Yes, average monthly cost is No, included in rent No, electricity not used	H19. Do you get water from— O A public system. (city water department, etc.) or private company? O An individual well? O Some other source (a spring, creek, river, cisteen, etc.)? H20. Is this building connected to a public sewer? O Yes, connected to public sewer
	O Yes, average monthly cost is No, included in rent No, gas not used	No, connected to septic tank or cesspool No, use other means
	c. Water? Yes, yearly cost is No, included in rent or no charge d. Oit, coal, kerosene, wood, etc.? Yes, yearly cost is O Yes, yearly cost is	H21. How many bathrooms do you have? A complete bathroom is a room with flush toilet, bathsub or shower, and wash basin with piped water. A half bathroom has at least a flush toilet or bathsub or shower, but does not have all the facilities for a complete bathroom. No bathroom, or only a half bathroom
	No, included in rent No, these fuels not used	O 1 complete bathroom O 1 complete bathroom, plus half bath(s)
	H14. How are your living quarters heated? Fill one circle for the kind of heat you use most. O Steam or hot water system O Central warm air furnace with ducts to the individual rooms, or central heat pump O Built-in electric units (permanently installed in wall, ceiling.	2 complete bathrooms 2 complete bathrooms, plus half bath(s) 3 or more complete bathrooms
15 and 5 percent	Or baseboard) Floor, wall, or pipeless furnace Room heaters with flue or vent, burning gas, oil, or kerosene Room heaters without flue or vent, burning gas, oil, or kerosene (not portable)	M22. Do you have air-conditioning? O Yes, 1 individual room unit O Yes, 2 or more individual room units O Yes, a central air-conditioning system O No
-	Fireplaces, stoves, or portable room heaters of any kind In some other way—Describe————	H23. How many passenger automobiles are owned or regularly used by members of your household? Count company cars kept at bome.
	None, unit has no heating equipment H15. About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.	O None O 1 automobile O 2 automobiles O 3 automobiles or more
1	O 1969 or 1970 O 1950 to 1959 O 1965 to 1968 D 1940 to 1949 O 1960 to 1964 O 1939 or earlier	
·	H16. Which best describes this building? Include all apartments, flats, etc., even if vacant. A one-family house detached from any other house A one-family house attached to one or more houses A building for 2 families A building for 3 or 4 families A building for 5 to 9 families	
. }	A building for 10 to 19 families A building for 20 to 49 families A building for 50 or more families	
	Other— Describe Oescribe	
	H17. Is this building— On a city or suburban lot?— Skip to H19 On a place of less than 10 acres? On a place of 10 acres or more?	
	H18. Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to— O Less than \$50 (or None) \$50 to \$249 \$5,000 to \$9,999 \$10,000 or more	

APPENDIX B—Continued

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES (Percent indicates sample size)

	H13. Answer question H13 if you pay rent for your living quarters.	H24a. How many stories (floors) are in this building?	l }
11	In addition to the rent entered in H12, do you also pay for—	O 1 to 3 stories] i
11	in addition to the rent entered in 1712, do you also pay 10.	O 4 to 6 stories	↓ ↓
11	a. Electricity?	7 to 12 stories	i I
11	○ Yes, average monthly cost is → .00	1 O 13 stories or more	<u> </u>
11	O No, included in rent Average monthly cost	b. If 4 or more stories—	11
1!	O No, electricity not used	Is there a passenger elevator in this building?	,
1.1		•	
1	b. Gas?	O Yes O No	4 1
	O Yes, average monthly cost is O No, included in rent Average monthly cost	H25a. Which fuel is used most for cooking?	
1	O No, gas not used	(From underground pipes Gas serving the neighborhood. O Coal or coke O	l I
1		1 Serving the Helpharente	!
1	c. Water?	(Bottled, tank, or LP O Wood O Electricity O Other fuel O	
1	O Yes, yearly cost is O No, included in rent or no charge Yearly cost	Fuel oil, kerosene, etc O No fuel used O	
			-{
	d. Oil, coal, kerasene, wood, etc.?	b. Which fuel is used most for house heating?	11
	O res, yearly cost is	From underground pipes Gas serving the neighborhood. O Coal or coke O	11
l	O No, included in rent O No, these fuels not used	l can i	
l	C No, these foots not used	Bottled, tank, or LP O Wood O Electricity O Other fuel O	
	H14. How are your living quarters heated?	Fuel oil, kerosene, etc O No fuel used O	11
l	Fill one circle for the kind of heat you use most.	Fuel Oil, Reroseile, etc	1 1
	O Steam or hot water system	c. Which fuel is used most for water heating?	71
	O Central warm air furnace with ducts to the individual		1 1
ŀ	rooms, or central heat pump	From underground pipes Gas serving the neighborhood. O Coal or coke O	
	O Built-in electric units (permanently installed in wall, ceiling.	day 1	11
ŀ	or baseboard)	Bottool (still) - all	11
		Electrically.	11
	O Floor, wall, or pipeless furnace	Fuel oil, kerosene, etc O No fuel used O	-11
- 1	O Room heaters with flue or vent, burning gas, oil, or kerosene	H26. How many bedrooms do you have?	11
	O Room heaters without flue or vent, burning gas, oil, or	Count rooms used mainly for sleeping even if used also for other purposes.	
15 and 5	kerosene (not portable)	O No bedroom O 3 bedrooms	[5
	 Fireplaces, stoves, or portable room heaters of any kind 	O 1 bedroom O 4 bedrooms	percent
percent)	In some other way—Describe———	O 2 bedrooms O 5 bedrooms or more	11''
	an some other way— Destroot —— >	H27a. Do you have a clothes washing machine?	
	O None, unit has no heating equipment	O Yes, automatic or semi-automatic	11
	H15. About when was this building originally built? Mark when the building	Yes, wringer or separate spinner	11
	was first constructed, not when it was remodeled, added to, or converted.	O No	
	O 1969 or 1970 O 1950 to 1959		- ∤
	O 1965 to 1968 O 1940 to 1949	b. Do you have a clothes dryer?	11
	O 1960 to 1964 O 1939 or earlier	O Yes, electrically heated	
		O Yes, gas heated	11
	H16. Which best describes this building?	O No 🔛	1 [
	Include all apartments, flats, etc., even if vacant.	c. Do you have a dishwasher (built-in or portable)?	7 i
	A one-family house detached from any other house		
	A one-family house attached to one or more houses	O Yes O No	
	O A building for 2 families	d. Do you have a home food freezer which is separate from your refrigerator?	11
	O A building for 3 or 4 families	O Yes O No	\]
	O A building for 5 to 9 families		 }
	O A building for 1C to 19 families	H28a. Do you have a television set? Count only sets in working order.	1 (
	O A building for 20 to 49 families	O Yes, one set	11
	A building for 50 or more families	 Yes, two or more sets 	11
	O A mobile home or trailer	O No	- 1 1
	Other—	b. If "Yes"— is any set equipped to receive UHF broadcasts,	71
	Describe	that is, channels 14 to 83?	11
	H17, Is this building—	O Yes O No	- 11
	O On a city or suburban lot?— Skip to H24		
	O On a place of less than 10 acres?	H29. Do you have a battery-operated radio?	11
	On a place of 10 acres or more?	Count car radios, transistors, and other battery-operated sets in working	- 1.1
		order or needing only a new battery for operation.	
	H18. Last year, 1969, did sales of crops, livestock, and other farm products	O Yes, one or more O No	11
	from this place amount to	1120. Do you for any mainhay of your house house a mond house or other	I
	O Less than \$50 (or None) \$2,500 to \$4,999	H30. Do you (or any member of your household) own a second home or other living quarters which you occupy sometime during the year?	11
	O \$50 to \$249 O \$5,000 to \$9,999		
	I ○ \$250 to \$2,499	O Yes O No	1.5

APPENDIX B—Continued

FACSIMILE OF THE RESPONDENT INSTRUCTIONS FOR THE HOUSING QUESTIONS IN THE 1970 CENSUS

If you live in an apartment building and you do not know the answers to questions H14, H15, H16, and H25, ask the person who runs your building (for example, the manager, rental agent, superintendent, janitor, etc.).

- A. Mark only one circle. This address means the house or building number where your living quarters are located.
- H1. Mark Yes and enter telephone number, even if the telephone is in another apartment or building.
- H2. Mark the second circle only if you must go through someone else's living quarters to get to your own.
- H3. The kitchen sink, stove, and refrigerator do not have to be in the same room.

Also used by another household means that someone else who lives in the same building, but is not a member of your household, also uses the equipment. Mark this circle also if the occupants of living quarters now vacant would also use the equipment.

- H4. Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count kitchenettes, strip or pullman kitchens; utility rooms; or unfinished attics, basements, or other space used for storage.
- H5. Mark hot water even if you have it only part of the time.
- H6, H7. See instructions for H3 for meaning of Also used by another household.
- #8. A house has a basement if there is enclosed space in which persons can walk upright under all or part of the building. A house on a concrete slab has no basement and no air or crawl space below it. A house built in another way is one directly on the ground or resting on a foundation or posts to provide crawl space.
- H9. Owned or being bought means that the living quarters are owned outright or are mortgaged. Also mark Owned or being bought if the living quarters are owned but the land is rented.

Mark Rented for cash rent if any money rent is paid. Rent may be paid by persons who are not members of your household.

Occupied without payment of cash rent includes, for example, a parsonage, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.

- H10. A commercial establishment is easily recognized from the outside; for example, a grocery store or barber shop. A medical office is a doctor's or dentist's office regularly visited by patients. If your house is on a place of 10 acres or more and also contains a commercial establishment or medical office, mark Yes, 10 acres or more.
- H11. Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the land.
- H12. Report the rent agreed to or contracted for, even if the furnishings, utilities, or services are included.
 - If you pay rent by the month, write in the amount of rent and fill one circle.
 - b. If rent is not paid by the month, answer both parts of b. For example, \$20 per week, \$1,500 per year, etc.
- M13. If exact costs are not known, estimate as closely as possible. Report amounts even if bills are unpaid or are paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket ({ }) the two utilities.

H14. This question refers to the type of heating equipment and not to the fuel used.

A heat pump is sometimes known as a reverse cycle system.

A floor, wall, or pipeless furnace delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. These furnaces do not have ducts leading to other rooms.

Any heater that you plug into an electric outlet should be counted as a portable room heater—not a built-in electric unit.

H16. Count all occupied and vacant living quarters in the house or building, but not stores or office space.

Detached means there is open space on all sides, or the house is joined only to a shed or garage. Attached means that the house is joined to another house or building by at least one wall which goes from ground to roof.

- H17. A city or suburban lot is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a city or suburban lot.
 - A place is a farm, ranch, or any other property, other than a city or suburban lot, on which this residence is located.
- H18. Fill the circle for the total (gross) amount of money received from the sales of crops, livestock, and other farm products produced on this place during the calendar year 1969.
- H19. If a well provides water for six or more houses or apartments, mark a public system. If a well provides water for five or fewer houses or apartments, mark an individual well.
- H20. A public sewer is operated by a government body or a private organization. A septic tank or cesspool is an underground tank or pit used for disposal of sewage.
- H22. Count only equipment with a refrigeration unit to cool the air. Mark an individual room unit for air conditioners which are installed in a window or in an outside wall and are used to cool one or more rooms. Mark a central system for a central installation which cools the entire house or apartment.
- H23. Do not count cars permanently out of working order. Also do not count taxicabs, pickups, or larger trucks.
- H24a. Do not count a basement as a story.
 - b. Do not count elevators used only for freight.
- H25. Gas from underground pipes is piped in from a central system such as a public utility company or a municipal government. Bottled, tank, or LP gas is stored in tanks which are refilled or exchanged when empty. Other fuel includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.
- H27. Mark the Yes circle whether you own the appliance or it is provided as part of the equipment in your living quarters. Do not count coin-operated equipment or appliances in storage.
- H28. Count any set equipped to receive UHF, (ultra high frequency) broadcasts, even if there are no such broadcasts in your area. Include sets that can be tuned directly to channels 14 to 83 and sets that receive UHF broadcasts by means of a converter. Also include sets that receive UHF broadcasts through a community antenna (CATV) or master antenna.
- H29. A battery-operated radio is one that can be run on batteries and does not need to be plugged into an electric socket. Include battery-operated sets owned by any member of the household.
- H30. Do not count vacation trailers, tents, or boats. Also do not count second homes used only for investment purposes.

Appendix C.—ACCURACY OF THE DATA

SOURCES OF ERROR	App-14
EDITING OF UNACCEPTABLE DATA	Арр-14
SAMPLE DESIGN	App-14
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SOURCES OF ERROR

Human and mechanical errors occur in any mass statistical operation such as a decennial census. Errors during the data collection phase can include failure to obtain required information from respondents, obtaining incorrect or inconsistent information, and recording information in the wrong place or incorrectly. Errors can also occur during the field review of the enumerator's work, the clerical handling of the questionnaires, the manual editing and coding operations, and the various stages of the electronic processing of the material. Careful efforts are made in every census to keep the errors in each step at an acceptably low level. Quality control and check measures are utilized throughout the census operation. As was done for the 1950 and 1960 censuses, evaluative material on many aspects of the 1970 census will be published as soon as the appropriate data are accumulated and analyzed. A major concern in the evaluation work is to ascertain, insofar as possible, the degree of completeness of the count of both population and housing units.

EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that describes the Nation's housing as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited.

Whenever information was missing, an allocation procedure was used to assign an entry, thereby eliminating the need for a "not reported" category in the tabulations. The assignment was based on related information reported for the housing unit or on information reported for a similar unit in the immediate neighborhood. For example, if tenure for an occupied unit was omitted but a rental amount was reported, the computer automatically edited tenure to "rented for cash rent." On the other hand, if the unit was reported as rented but the amount of rent was missing, the computer automatically assigned the rent that was reported for the preceding renteroccupied unit.

A similar procedure was used when the information reported for an item was inconsistent with other information reported for the unit. For example, if a housing unit was enumerated as having no piped water but having both a bathtub (or shower) and flush toilet for the exclusive use of the occupants of the unit, the computer edited water supply to "hot and cold water," a category considered to be consistent with the reported bathing and toilet facilities.

Specific tolerances were established for the number of computer allocations that would be permitted. If the number of corrections was beyond tolerance, the questionnaires in which the errors occurred were clerically reviewed. If it was found that the errors resulted from damaged questionnaires, from improper microfilming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

The extent of allocations for non-responses and inconsistencies is given

for SMSA's and places in the allocation tables in the 1970 Population Census PC(1)-B and PC(1)-C reports, and in the Housing Census HC(1)-A and HC(1)-B reports.

SAMPLE DESIGN

For sample data collected in the 1970 census, the housing unit, including all its occupants, was the sampling unit; for persons in group quarters identified in advance of the census, it was the person. In non-mail areas, the enumerator canvassed his assigned area and listed all housing units in an address register sequentially in the order in which he first visited the units, whether or not he completed the interview. Every fifth line of the address register was designated as a sample line, and the housing units listed on these lines were included in the sample. Each enumerator was given a random line on which he was to start listing and the order of canvassing was indicated in advance, although the instructions allowed some latitude in the order of visiting addresses. In mail areas, the list of housing units was prepared prior to Census Day either by employing commercial mailing lists corrected through the cooperation of the post office or by listing the units in a process similar to that used in non-mail areas. As in other areas, every fifth housing unit on these lists was designated to be in the sample. In group quarters, all persons were listed and every fifth person was selected for the sample; as indicated in Appendix B, information on the housing characteristics of group quarters was not collected in the census.

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This 20-percent sample was subdivided into a 15-percent and a 5percent sample by designating every fourth 20-percent sample unit as a member of the 5-percent sample. The remaining sample units became the 15-percent sample. Two types of sample questionnaires were used, one for the 5-percent and one for the 15-percent sample units. Some questions were included on both the 5-percent and 15-percent sample forms and therefore appear for a sample of 20 percent of the units in the census. Other items appeared on either the 15-percent or the 5-percent questionnaires. The sample rates for the various items appearing in this report are shown in table A.

Although the sampling procedure did not automatically insure an exact 20-percent sample of persons or housing units in each locality, the sample design was unbiased if carried through according to instructions; generally for larger areas the deviation from 20 percent was found to be quite small. Biases may have arisen, however, when the enumerator failed to follow his listing and sampling instructions exactly. Quality control procedures were used throughout the census process, and where there was clear evidence that the sampling proce-

TABLE A. Sample Rate for Subjects Included in This Report

Subject	Sample rate (percent)	Subject	Sample rate percent)
OCCUPANCY CHARACTERISTICS		EQUIPMENT AND APPLIANCES	
Occupied housing units	20	Heating equipment	. 20
Tenure		Air conditioning	*
Race		Automobiles available	
Spanish heritage		Second home	. 5
Year moved into unit		Clothes washing machine	. 5
Tobal Indica into diff.	. 10	Clothes dryer	_
VACANCY CHARACTERISTICS		Dishwasher	
Vacant for sale	. 20	Home food freezer	. 5
		* ,	
Vacant for rent		FINANCIAL CHARACTERISTICS	
Duration of vacancy	. 20	Value	. 20
	_	Sales price asked	
UTILIZATION CHARACTERISTIC		Gross rent	
Number of rooms		Rent asked	
Size of household (persons)		Inclusion of utilities	
Persons per room		in rent	. 20
Bedrooms	. 5	Value-income ratio	
		Gross rent as percentage	
PLUMBING CHARACTERISTICS		of income	. 20
Plumbing facilities			
Complete bathrooms	. 15	HOUSEHOLD CHARACTERISTICS	3
		Household composition	
STRUCTURAL CHARACTERISTIC	CS	Income	
Complete kitchen			
facilities	. 20		
Access			
Units in structure			
Mobile home or trailer		The state of the state of the state of	
Year structure built			
Elevator in structure	. 5		

dures were not properly followed, some enumerators' assignments were returned to the field for resampling. Estimates for the United States as a whole indicate that 19.6 percent of the total population and 19.7 percent of the total housing units were enumerated on sample questionnaires. The computation of these proportions excluded several classes of the population and housing units for which no attempt at sampling was made. These were the relatively small numbers of persons and housing units (in most States, less than one percent) added to the enumeration from the post-census post office check, the various supplemental forms, and the special check of vacant units. However, the ratio estimation procedure described below adjusts the sample data to reflect these classes of population and housing units.

RATIO ESTIMATION

The statistics based on 1970 census sample data are estimates made through the use of ratio estimation procedures which were applied separately for the 5-, 15-, and 20-percent samples. The first step in carrying through the ratio estimates was to establish the areas within which separate ratios were to be prepared. These are referred to as "weighting areas." For the 15- and 20-percent samples the weighting areas contained a minimum population size of 2,500. The weighting areas used for the 5-percent ratio estimate were larger areas having a minimum population size of 25,000 and comprising combinations of the weighting areas used for the 15- and 20-percent samples. Weighting areas were established by a mechanical operation on the computer and were defined to conform, as nearly as possible, to areas for which tabulations are produced. Where these areas do not agree (primarily for smaller areas), there may be some differences between complete counts and sample estimates.

The ratio estimation process operated in two stages for occupied housing units, and in one stage for vacant units. The first stage for occupied units employed 18 household-type groups (the first of which was empty by definition); the second stage for occupied units used four groups: owner- and renter-occupied units, by race. The single stage for vacant units employed three groups: year-round vacant for sale, year-round vacant for rent, and other vacant.

Group

Occupied housing units:

STAGE I

	STAGET
1 2 3	Male Head With Own Children Under 18 1-person household 2-person household 3-person household . 6-or-more-person household
7-12	Male Head Without Own Children Under 18 1-person to 6-or-more- person households
13-18	Female Head 1-person to 6-or-more- person households
	STAGE II
19 20	<i>Owner Occupied</i> Negro Not Negro
21 22	<i>Renter Occupied</i> Negro Not Negro

Vacant housing units:

23	Year-round vacant for sale
24	Year-round vacant for rent
25	Other vacant

At each stage, for each of the occupied housing groups, the ratio of the complete count to the weighted sample count of the housing units in the group was computed and applied to the weight of each sample unit in the group. This operation was performed for each of the 18 groups in the first stage, then for the four groups in the second stage. As a rule, the weighted sample counts within each of the 4 groups in the second stage for occupied units should agree with the complete counts for the weighting areas (close, although not exact consistency can be expected for the 18 groups in the first stage). Similarly, the weighted sample counts within each of the 3 groups in the single stage for vacant housing units should agree with the complete counts for the weighting area.

There are some exceptions to this general rule, however. As indicated above, there may be differences between the complete counts and sample estimates when the tabulation area is not made up of whole weighting areas. Furthermore, in order to increase the reliability, a separate ratio was not computed in a group whenever certain criteria pertaining to the complete count of housing units and the magnitude of the weight were not met. For example, for the 20-percent sample the complete count of units in a group had to exceed 70 units and the ratio of the complete count to the unweighted sample count could not exceed 20. Where these criteria were not met, groups were combined in a specific order until the conditions were met. Where this occurred, consistency between the weighted sample and the complete counts would apply as indicated above for the combined group but not necessarily for each of the groups in the combination.

Each sample housing unit was assigned an integral weight to avoid the complications involved in rounding in the final tables. If, for example, the final weight for a group was 5.2, one-fifth of the units in the group (selected at random) were assigned a weight of 6 and the remaining four-fifths a weight of 5.

The estimates realize some of the gains in sampling efficiency that would have resulted had the population been stratified into the groups before sampling. The net effect is a reduction in both the sampling error and possible bias of most statistics below what would be obtained by weighting the results of the sample by a uniform factor (e.g., by weighting the 20percent sample results by a uniform factor of 5). The reduction in sampling error will be trivial for some items and substantial for others. A by-product of this estimation procedure is that estimates for this sample are, in general, consistent with the complete count for the housing unit groups used in the estimation procedure. A more complete discussion of the technical aspects of these ratio estimates will be presented in a separate report.

SAMPLING VARIABILITY

The estimates from the 20-, 15-, and 5-percent sample tabulations are subject to sampling variability. The standard errors of these estimates can be approximated by using the data in tables B through D. The chances are about 2 out of 3 that the difference (due to sampling variability) between the sample estimate and the figure that would have been obtained from a

complete count is less than the standard error. The chances are about 19 out of 20 that the difference is less than twice the standard error and about 99 out of 100 that it is less than 21/2 times the standard error. The amount by which the estimated standard error must be multiplied to obtain other odds deemed more appropriate can be found in most statistical textbooks. The sampling errors may be obtained by using the factors shown in table D in conjunction with table B for absolute numbers and in conjunction with table C for percentages. These tables reflect the effect of simple response variance, but not of bias arising in the collection, processing and estimation steps nor of the correlated errors enumerators introduce; estimates of the magnitude of some of these factors in the total error are being evaluated and will be published at a later date.

Table B shows approximate standard errors of estimated numbers for most statistics based on the 20-percent sample. In determining the figures for this table, some aspects of the sample design, the estimation process, and the size of the area over which the data have been compiled are ignored. Table C shows standard errors of most percentages based on the 20-percent sample. Linear interpolation in tables B and C will provide approximate results that are satisfactory for most purposes. Table D provides a factor by which the standard errors shown in tables B or C should be multiplied to adjust for the effect of the sample size (i.e., whether a 15-percent or 5-percent sample) and the effect of the estimation procedure.

To estimate the standard error for a given characteristic, locate the factor in table D for the appropriate characteristic and the sample size used to tabulate the data, and multiply this

factor by the standard error found in table B or C. Where data are shown as cross-classifications of two characteristics, locate and use the larger factor. Similarly, if an item, although collected on one sample basis, has been tabulated for a smaller sample, use the factor appropriate for the smaller sample.

The standard errors estimated from these tables are not directly applicable to differences between two sample estimates. In order to estimate the standard error of a difference, the tables are to be used somewhat differently in the three following situations:

- For a difference between the sample figure and one based on a complete count (e.g., arising from comparisons between sample statistics for 1970 and complete-count statistics for 1960 or 1950), the standard error is identical with the standard error of the 1970 estimate alone.
- 2. For a difference between two sample figures (that is, one from 1970 and the other from 1960, or both from the same census year), the standard error is approximately the square root of the sum of the squares of the standard errors of each estimate considered separately. This formula will represent the actual standard error quite accurately for the difference between estimates of the same characteristics in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. If, however, there is a high positive correlation between the two characteristics, the formula will overestimate the true standard error. The approximate standard error for the 1970 sample figure is derived directly from tables B

- through D. The standard error of a 1960 sample figure may be obtained from the relevant 1960 census report.
- For a difference between two sample estimates, one of which represents a subclass of the other, the tables can be used directly with the difference considered as the sample estimate.

The sampling variability of the medians presented in certain tables (median rooms, median value, median gross rent, etc.) depends on the size of the base and on the distribution on which the median is based. An approximate method for measuring the reliability of an estimated median is to determine an interval about the estimated median such that there is a stated degree of confidence the true median lies within the interval. As the first step in estimating the upper and lower limits of the interval (that is, the confidence limits) about the median, compute one-half the number on which the median is based (designated N/2). From table B, following the method outlined in other parts of this section, compute the standard error of an estimated number equal to N/2. Subtract this standard error from N/2. Cumulate the frequencies (in the table on which the median is based) until the total first exceeds the difference between N/2 and its standard error, and by linear interpolation obtain a value corresponding to this number. In a corresponding manner, add the standard error to N/2, cumulate the frequencies in the table, and obtain a value in the table on which the median is based corresponding to the sum of N/2 and its standard error.

The chances are about 2 out of 3 that the median would lie between these two values. The range for 19 chances out of 20 and for 99 in 100

can be computed in a similar manner by multiplying the standard error by the appropriate factors before subtracting from and adding to one-half the number reporting the characteristics, Interpolation to obtain the values corresponding to these numbers gives the confidence limits for the median.

TABLE B. Approximate Standard Error of Estimated Number Based on 20-Percent Sample

(Range of 2 chances out of 3; for factors to be applied see table D and text)

Estimated number ¹	Number of housing units in area ²						
	10,000	25,000	100,000	250,000	1,000,000	2,500,000	4,000,000
50	15	15	15	15	15	15	15
100	20	20	20	20	20	20	20
250	30	30	30	30	30	30	30
500	45	45	45	45	45	45	45
1,000	60	60	65	65	65	65	65
2,500	90	95	100	100	100	100	100
5,000	100	130	140	140	140	140	140
10,000		150	190	200	200	200	200
15,000	•••	150	230	240	240	240	240
25,000	•••	•••	270	300	310	310	320
50,000			320	400	440	440	440
75,000	•••		270	450	520	540	540
100,000	•••			490	600	620	630

¹ For estimated numbers larger than 100,000, the relative errors are somewhat smaller than for 100,000.

TABLE C. Approximate Standard Error of Estimated Percentage Based on 20-Percent Sample

(Range of 2 chances out of 3; for factors to be applied see table D and text)

Estimated percent ag e	Base of percentage								
	500	1,000	2,500	10,000	25,000	100,000	250,000		
2 or 98	1.3	0.9	0.6	0.3	0.2	0.1	0.1		
5 or 95	2.0	1.4	0.9	0.4	0.3	0.1	0.1		
10 or 90	2.7	1.9	1.2	0.6	0.4	0.2	0.1		
25 or 75	3.9	2.7	1.7	0.9	0.5	0.3	0.2		
50	4.5	3.2	2.0	1.0	0.6	0.3	0.2		

²An area is the smallest complete geographic area to which the estimate under consideration pertains. Thus, the area may be the standard metropolitan statistical area or the place. Housing units with Negro heads of household or Spanish heritage heads of household do not represent complete areas.

TABLE D. Factor to be Applied to Standard Errors

	Factor if sample rate is—				Factor if sample rate is-		
Characteristic ¹	20 percent			Characteristic ¹	20 percent	15 percent	5 percent
OCCUPANCY AND VACANCY CHARACTERISTICS				EQUIPMENT, FUELS, AND APPLIANCES			
Year moved into unit		1.1		Heating equipment	0.8	0.9	•••
Duration of vacancy	0.8		1.7	Air conditioning	•••	1.1	•11
o station of taxable from the state of the s				Automobiles available	•••	1.0	•••
UTILIZATION CHARACTERISTICS				Appliances			1.9
Rooms	1.0	1.1	2.1				
Size of household (persons)	0.5	0.6	1.2	FINANCIAL CHARACTERISTICS		_	
Persons per room	0.4	0.5	0.9	Value	1.0	1.1	2.1
Bedrooms		.,.	2.1	Value-income ratio	1.0	1.2	
•		ļ		Gross rent	0.9	1.1	2.1
PLUMBING CHARACTERISTICS			ļ	Gross rent as percentage of income	1.0	1.2	•••
Complete bathrooms		1.1		Sales price asked	1.1	•••	2.5
Plumbing facilities	1.0			Rent asked	1.1		2.5
STRUCTURAL CHARACTERISTICS	Ę			HOUSEHOLD CHARACTERISTICS			
Units in structure	0.8	0.9	1.7	Household composition	0.6	0.7	
Year structure built	0.9	1.0		Income in 1969	1.0	1.2	2.3
rear structure built	0.0	'''	"	ALL OTHERS	1.0	1.2	2,2

¹Tabulations of housing data for households with heads of Spanish heritage are based on the 15-percent sample. For characteristics of households with heads of Spanish heritage (tables 19 to 26), use the factors given for the 15-percent sample.

NOTE: In this report an item collected for the 20-percent sample may be cross-tabulated with other items based on the 15-percent or 5-percent samples. In such cases, locate the factor for both items in Table D for the smaller sample size. Use the larger of the two factors. For example, in Table 9, duration of vacancy (a 20-percent item) is cross-tabulated by number of bedrooms (a 5-percent item). The factor for duration of vacancy based on a 5-percent sample is 1.7 and for bedrooms it is 2.1. The factor of 2.1 should be used to adjust the standard errors since it is the larger of the two factors based on the 5-percent sample.

Appendix D.—PUBLICATION AND COMPUTER SUMMARY TAPE PROGRAM

The results of the 1970 Census of Population and Housing are being issued in the form of printed reports, microfiche copies of the printed reports, computer summary tapes, computer printouts, and microfilm. Listed below are short descriptions of the final report series and computer tapes, as currently planned. More detailed information on this program can be obtained by writing to the Publications Distribution Section, Bureau of the Census, Washington, D.C. 20233.

Housing Census Reports

Volume I.

HOUSING CHARACTERISTICS FOR STATES, CITIES, AND COUNTIES

This volume will consist of 58 "parts"-number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which will be a separate clothbound book, will contain two chapters designated as A and B. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in two series designated as HC(1)-A and B, respectively.

Series HC(1)-A. GENERAL HOUSING CHARACTERISTICS

Statistics on tenure, kitchen facilities, plumbing facilities, number of rooms, persons per room, units in structure, mobile home, telephone, value, contract rent, and vacancy status are presented for some or all of the following areas: States (by urban and rural residence), standard metropolitan statistical areas (SMSA's), urbanized areas, places of 1,000 inhabitants or more, and counties.

Series HC(1)-B. DETAILED HOUSING CHARACTERISTICS

Statistics are presented on a more detailed basis for the subjects included in the Series HC(1)-A reports, as well as on such additional subjects as year moved into unit, year structure built, basement, heating equipment, fuels, air conditioning, water and sewage, appliances, gross rent, and ownership of second home. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, urbanized areas, places of 2,500 inhabitants or more, and counties (by rural and rural-farm residence).

Volume II. METROPOLITAN HOUSING CHARACTERISTICS

These reports, also designated as Series HC(2), cover most of the 1970 census housing subjects in considerable detail and cross-classification. There is one report for each SMSA, presenting data for the SMSA and its central cities and places of 50,000 inhabitants or more, as well as a national summary report.

Volume III. BLOCK STATISTICS

One report, under the designation Series HC(3), is issued for each urbanized area showing data for individual blocks on selected housing and population subjects. The series also includes reports for the communities outside urbanized areas which have contracted with the Census Bureau to provide block statistics from the 1970 census.

Volume IV.

COMPONENTS OF INVENTORY CHANGE

This volume will contain data on the disposition of the 1960 inventory and the source of the 1970 inventory, such as new construction, conversions, mergers, demolitions, and other additions and losses. Crosstabulations of 1970 and 1960 characteristics for units that have not changed and characteristics of the present and previous residence of recent movers will also be provided. Statistics will be shown for 15 selected SMSA's and for the United States and regions.

Volume V. RESIDENTIAL FINANCE

This volume will present data regarding the financing of privately owned nonfarm residential properties. Statistics will be shown on amount of outstanding mortgage debt, manner of acquisition of property, homeowner expenses, and other owner, property, and mortgage characteristics for the United States and regions.

Volume VI. ESTIMATES OF "SUBSTANDARD" HOUSING

This volume will present counts of "substandard" housing units for counties and cities, based on the number of units lacking plumbing facilities combined with estimates of units with all plumbing facilities but in "dilapidated" condition.

Volume VII. SUBJECT REPORTS

Each report in this volume will concentrate on a particular subject. Detailed information and cross-classifications will generally be provided on a national level; in some reports, data for States or SMSA's may also be shown. Among the subjects to be covered are housing characteristics by household composition, housing of minority groups and senior citizens, and households in mobile homes.

Population Census Reports

Volume I. CHARACTERISTICS OF THE POPULATION

This volume will consist of 58 "parts"number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which will be a separate clothbound book, will contain four chapters designated as A, B, C, and D. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in four series designated as PC(1)-A, B, C, and D, respectively. The 58 PC(1)-A reports will be specially assembled and issued in a clothbound book, designated as Part A.

Series PC(1)-A. NUMBER OF INHABITANTS.

Final official population counts are presented for States, counties by urban and rural residence, SMSA's, urbanized areas, county subdivisions, all incorporated places, and unincorporated places of 1,000 inhabitants or more.

Series PC(1)-B. GENERAL POPULATION CHARACTERISTICS

Statistics on age, sex, race, marital status, and relationship to head of household are presented for States, counties by urban and rural residence, SMSA's, urbanized areas, county subdivisions, and places of 1,000 inhabitants or more.

Series PC(1)-C. GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS

Statistics are presented on nativity and parentage, State or country of birth, Spanish origin, mother tongue, residence 5 years ago, year moved into present house, school enrollment (public or private), years of school completed, vocational training, number of children ever born, family composition, disability, veteran status, employment status, place of work, means of transportation to work, occupation group, industry group, class of worker, and income (by type) in 1969 of families and individuals. Each subject is shown for some or all of the following areas: States, counties (by urban, rural-nonfarm, and rural-farm residence), SMSA's urbanized areas, and places of 2,500 inhabitants or more.

Series PC(1)-D.

DETAILED CHARACTERISTICS

These reports cover most of the subjects shown in Series PC(1)-C, above, presenting the data in considerable detail and crossclassified by age, race, and other characteristics. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, and large cities.

Volume II. SUBJECT REPORTS

Each report in this volume, also designated as Series PC(2), will concentrate on a particular subject. Detailed information and cross-relationships will generally be provided on a national and regional level; in some reports, data for States or SMSA's will also be shown. Among the characteristics to be covered are national origin and race, fertility, families, marital status, migration, education, unemployment, occupation, industry, and income.

Joint Population-Housing Reports

Series PHC(1). CENSUS TRACT REPORTS

This series contains one report for each SMSA, showing data for most of the population and housing subjects included in the 1970 census.

Series PHC(2).

GENERAL DEMOGRAPHIC TRENDS FOR METROPOLITAN AREAS, 1960 TO 1970

This series consists of one report for each State and the District of Columbia, as well as a national summary report, presenting statistics for the State and for SMSA's and their central cities and constituent counties. Comparative 1960 and 1970 data are shown on population counts by age and race and on such housing subjects as tenure, plumbing facilities, value, and contract rent.

Series PHC(3).

EMPLOYMENT PROFILES OF SELECTED LOW-INCOME AREAS

This series consists of approximately 70 reports, each presenting statistics on the social and economic characteristics of the residents of a particular low-income area. The data relate to low-income neighborhoods in 51 cities and seven rural proverty areas. Each report provides statistics on employment and unemployment, education, vocational training, availability for work,

job history, and income, as well as on value or rent and number of rooms in the housing unit.

Additional Reports

Series PHC(E).

EVALUATION REPORTS

This open series will present the results of the extensive evaluation program conducted as an integral part of the 1970 census program, and relating to such matters as completeness of enumeration and quality of the data on characteristics.

Series PHC(R).

PROCEDURAL REPORTS

This open series presents information on various administrative and methodological aspects of the 1970 census, and will include a comprehensive procedural history of the 1970 census. The first report issued focuses on the forms and procedures used in the data collection phase of the census.

Computer Summary Tapes

The major portion of the results of the 1970 census is produced in a set of six tabulation counts. To help meet the needs of census users, these counts are being designed to provide data with much greater subject and geographic detail than it is feasible or desirable to publish in printed reports. The data so tabulated are generally available—subject to suppression of certain detail where necessary to protect confidentiality—on magnetic computer tape, printouts, and microfilm, at the cost of preparing the copy.

First Count—source of the PC(1)-A reports; contains about 400 cells of data on the subjects covered in the PC(1)-B and HC(1)-A reports and tabulated for each of the approximately 250,000 enumeration districts in the United States.

Second Count—source of the PC(1)-B, HC(1)-A, and part of the PHC(1) reports; contains about 3,500 cells of data covering the subjects in these reports and tabulated for the approximately 35,000 tracts and 35,000 county subdivisions in the United States.

Third Count—source of the HC(3) reports; contains about 250 cells of data on the subjects covered in the PC(1)-B and HC(1)-A reports and tabulated for approximately 1,500,000 blocks in the United States.

Fourth Count—source of the PC(1)-C, HC(1)-B, and part of the PHC(1) reports; contains about 13,000 cells of data covering the subjects in these reports and tabulated for the approximately 35,000 tracts and 35,000 county subdivisions in the United States; also contains about 30,000 cells of data for each county.

Fifth Count—contains approximately 800 cells of population and housing data for 5-digit ZIP code areas in SMSA's and 3-digit ZIP code areas outside SMSA's; the ZIP code data are available only on tape.

Sixth Count—source of the PC(1)-D and HC(2) reports; contains about 260,000 cells of data covering the subjects in these reports and tabulated for States, SMSA's, and large cities.

The tapes are generally organized on a State basis. To use the First Count and Third Count tapes, it is necessary to purchase the appropriate enumeration district and block mans.

The term "cells" used herein to indicate the scope of subject content of the several counts refers to each figure or statistic in the tabulation for a specific geographic area. For example, in the Third Count, there are six cells for a cross-classification of race by sex: three categories of race (white, Negro, other race) by two categories of sex (male, female).

In addition to the above-mentioned summary tapes, the Census Bureau makes available for purchase certain sample tape files containing population and housing characteristics as shown on individual census records. These files contain no names or addresses, and the geographic identification is sufficiently broad to protect confidentiality. There are six files, each containing a 1-percent national sample of persons and housing units. Three of the files are drawn from the population covered by the census 15-percent sample and three from the population in the census 5-percent sample. Each of these three files provides a different type of geographic information: One identifies individual large SMSA's and, for the rest of the country, groups of counties; the second individual States and, where they are sufficiently large, provides urban-rural and metropolitan-nonmetropolitan detail; and the third State groups and size of place, with each individual record showing selected characteristics of the persons's neighborhood.

U.S. DEPARTMENT OF COMMERCE Social and Economic Statistics Administration BUREAU OF THE CENSUS Washington, D.C. 20233

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A UNITED STATES
DEPARTMENT OF
COMMERCE
PUBLICATION



HC(2)-90

Metropolitan Housing Characteristics

HONOLULU, HAWAII STANDARD METROPOLITAN STATISTICAL AREA



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HOUSING DIVISION

Arthur F. Young, Chief

ACKNOWLEDGMENTS—Many persons participated in the various activities of the 1970 census. Primary direction of the program was performed by Conrad Taeuber, Associate Director for Demographic Fields, assisted by David L. Kaplan, 1970 Census Coordinator, and in conjunction with Paul R. Squires, Associate Director for Data Collection and Processing, and Joseph Waksberg, Acting Associate Director for Statistical Standards and Methodology.

This report was planned and written in the Housing Division under the supervision of Arthur F. Young, Chief, by Aaron Josowitz, Assistant Division Chief, Nathan Krevor, Chief, Coordination and Research Branch, and Paul F. Coe, assisted by Robert W. Bonnette, William Downs, and Edward D. Montfort.

The procedures for sample selection, sample weighting, and computation of sampling variances were developed in the Statistical Methods Division, under the supervision of Morton Boisen, Acting Chief, and Robert H. Henson and Walter M. Perkins, Assistant Division Chiefs, assisted by William T. Alsbrooks, Peter A. Bounpane, Barbara A. Boyes, and Carlton W. Pruden.

Geographic plans and procedures were developed in the Geography Division under the supervision of William T. Fay, then Chief, and Robert C. Klove and Gerald J. Post, Assistant Division Chiefs.

Data collection activities were administered by the Field Division, Richard C. Burt,

Chief, and Dean H. Weber, Assistant Division Chief, with the assistance of the directors of the Bureau's data collection centers.

Systems and processing procedures were developed under the direction of Morris Gorinson, Assistant Chief, Demographic Census Staff. Florence Wright, assisted by Orville M. Slye and Erne Wilkins, was responsible for the clerical procedures and Roger O. Lepage, assisted by Howard N. Hamilton, William Norfolk, and Eleanor Banks, was responsible for the computer programming. Donald R. Dalzell was responsible for the computer programs used for the electronic preparation of the tables in this report.

The manual processing and microfilming of the questionnaires and the review of tabulation controls were performed in the Data Preparation Division (formerly Jeffersonville Census Operations Division), under the direction of Robert L. Hagan, then Chief, with the assistance of Rex L. Pullin. William L. Pangburn supervised the microfilming operation. Dan N. Harding, assisted by Nora H. Shouse, was responsible for the tabulation review work, in which Peter J. Fronczek also made important contributions.

FOSDIC and computer processing were performed in the Computer Services Division under the supervision of James R. Pepaf, Chief, and E. Richard Bourdon and James W. Shores, Assistant Division Chiefs. Development of the FOSDIC equipment was directed by William M. Gaines, Assistant

Division Chief, and McRae Anderson. Development of the automatic microfilming equipment was directed by Anthony A. Berlinsky.

Publications planning, editing, composition, and printing procurement were performed in the Publications Services Division, under the direction of Raymond J. Keski, Acting Chief, by Milton S. Andersen, Gerald A. Mann, and Wayne H. Massey.

Important contributions were made by Robert B. Voight and Sherry L. Courtland in the planning and coordination of the 1970 census program; by Lucille D. Catterton in the planning of the tabular materials; and by John W. H. Spencer, Sol Dolleck, and M. Douglas Fahey in the systems design and operations for processing the census data.

SUGGESTED CITATION

U.S. Bureau of the Census Census of Housing: 1970 METROPOLITAN HOUSING CHARACTERISTICS Final Report HC(2)-90 Honolulu, Hawaii SMSA U.S. Government Printing Office Washington, D.C. 1972

For sale by the Superintendent of Documents U.S. Government Printing Office Washington, D.C. 20402, or any Department of Commerce Field Office.

Price 55 cents

1970 (ENSUS OF HOUSING

Metropolitan Housing Characteristics

HONOLULU, HAWAII STANDARD METROPOLITAN STATISTICAL AREA

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This guide lists all subjects covered in this report. An asterisk (*) indicates that data are shown for housing units with Negro head of household, and the dagger symbol (t) means that the data are shown for housing units with household head of Spanish heritage; these data are shown when an area has 25,000 or more Negro or Spanish heritage population, respectively.

Subject	Value	Gross rent	Income in 1969	Plumbing facilities by persons per room	Number of rooms	Units in structure	Household composition by age of head	Size of household (persons)	Duration of vacancy	Sales price asked and rent asked
OCCUPANCY AND VACANCY CHARACTERISTICS Year moved into unit Duration of vacancy	1, 11*, 19† _	2, 12*, 20† -	3, 13*, 21† –	g;	9	6, 16*, 24† 9	- -	_ _	- COMmiglion - Commiglion - Commiglion - Commiglion - Commiglion - Commiglion - Commiglion - Commiglion - Commi	_ 9
UTILIZATION CHARACTERISTICS Number of rooms Size of household (persons) Number of bedrooms Persons per room	1, 11*, 19† 1, 11*, 19† 1, 11* 1, 11*	2, 12*, 20† 2, 12*, 20† 2, 12* 2, 12*	3, 13*, 21† 3, 13*, 21† 3, 13* 4, 14*, 22†	5, 15*, 23† 4, 14*, 22† —	5, 15*, 23† 5, 15* 5, 15* 5, 15*, 23†	6, 16*, 24† 8, 18*, 26† 6, 16* 6, 16*, 24†	8, 18*, 26† - 7, 17*, 25†	5, 15*, 23† 8, 18* 4, 14*, 22†	9	- - 10
PLUMBING CHARACTERISTICS Plumbing facilities	1, 11*, 19† 1, 11*, 19†	2, 12*, 20† 2, 12*, 20†	4, 14*, 22† –	-	5, 15*, 23† 5, 15*, 23†	6, 16*, 24† —	7, 17*, 25† –	4, 14*, 22† 8, 18*, 26†	9 -	10 -
STRUCTURAL CHARACTERISTICS Units in structure Year structure built Elevator in structure	- 1, 11*, 19† -	6, 16*, 24† 2, 12*, 20† 2, 12*	6, 16*, 24† 3, 13*, 21† –	6, 16*, 24† 4, 14*, 22† –	6, 16*, 24† 5, 15*, 23†	6, 16*, 24† –	7, 17*, 25† - -	8, 18*, 26† 8, 18*, 26† –	9 9 —	10 10
EQUIPMENT AND APPLIANCES Heating equipment Air conditioning Automobiles available Second home Automatic clothes washing machine Clothes dryer Dishwasher Home food freezer	1, 11*, 19t 1, 11*, 19t	2, 12*, 20† - - - - - - -	3, 13*, 211 3, 13*, 211 3, 13* 3, 13* 3, 13* 3, 13* 3, 13*	4, 14*, 22† - - - - - - -	- - - - - -	6, 16*, 24† 6, 16*, 24† 6, 16*, 24† - - -	- - - - - - -	- - - - - -	9	 - - - -
FINANCIAL CHARACTERISTICS Value Value-income ratio Gross rent Gross rent as percentage of income Gross rent as percentage of income by income Sales price asked Rent asked Inclusion of utilities in rent	-	2, 12*, 20†		1, 11*, 19† 4, 14*, 22† 2, 12*, 20† 4, 14*, 22†	1, 11*, 19t 5, 15*, 23t 2, 12*, 20t 5, 15*, 23t	6, 16*, 24† - - - 10	- - -	1, 11*, 19t 8, 18*, 26t 2, 12*, 20t 8, 18*, 26t — —	 - - - 9 9	- - - - - 10
HOUSEHOLD CHARACTERISTICS Household composition by age of head Income in 1969				7, 17*, 25† 4, 14*, 22†		7, 17*, 25† 6, 16*, 24†		8, 18*, 26† 3, 13*, 21†	-	_

 $^{^{1}\}mbox{Vacant units tabulated by plumbing facilities only.}$

INTRODUCTION

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GENERAL

This report presents cross-tabulations of housing and household characteristics from the 1970 Census of Population and Housing for the standard metropolitan statistical area, its central city or cities, and its places of 50,000 inhabitants or more. Legal provision for this census, which was conducted as of April 1, 1970, was made in the Act of Congress of August 31, 1954 (amended August 1957), which codified Title 13, United States Code.

This report series contains 248 reports as listed on page 11. There is one report for each standard metropolitan statistical area (recognized as of February 1971) in the United States and Puerto Rico, as well as a summary report for the United States.

This series of reports is one of the several series which present the information compiled from the census. For a description of the full data dissemination program of the 1970 Population and Housing Census, see Appendix D, "Publication and Computer Summary Tape Program."

The content and procedures of the 1970 census were determined after evaluation of the results of the 1960 census, consultation with a wide variety of users of census data, and extensive field pretesting. A number of

changes were introduced in 1970 to improve the usefulness of the census results. For most of the characteristics shown in this report, the changes do not, however, affect to any appreciable extent the comparability of the 1970 data with those for 1960; further information on comparability appears in Appendix B, "Definitions and Explanations of Subject Characteristics."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in later reports of the 1970 census.

Organization of the text.—The text consists of this introduction and four appendixes which appear after the tables. Appendix A describes the various area classifications (e.g., places, standard metropolitan statistical areas, etc.) and briefly explains the residence rules used in counting the population. Appendix B provides definitions and explanations for the subjects covered in this report, including facsimiles of the 1970 census questionnaire pages and a facsimile of the instruction sheet. Appendix C presents information on sources of error in the data, editing procedures, the sample design, ratio estimation, and sampling variability. Appendix D summarizes the data dissemination program of the 1970 census.

Content of the tables.—A series of standard tables is presented for each area shown in this report. Tables 1 to 8 present statistics for owner-occupied and renter-occupied units. Tables 9 and 10 present statistics for vacant units, separately for units for

sale and for units for rent. Data for housing units with Negro head of household are presented in tables 11 to 18, and data for housing units with heads of Spanish heritage (i.e., heads of Spanish language or surname or of Puerto Rican birth or parentage) are presented in tables 19 to 26; these tables, which have the same subject content as tables 1 to 8, are published for those standard metropolitan statistical areas, cities or places that have a population of 25,000 or more for the particular group. The finding guide on page IV lists the characteristics covered in this report and shows the tables in which the various types of statistics appear.

The prefix letter "A" has been assigned to the tables for the total standard metropolitan statistical area; tables for the central cities and places of 50,000 inhabitants or more, which follow in alphabetical order, have the prefix letter "B," "C," etc.

Sample size.—The statistics presented in this report are based on a sample of housing units. More specifically, the data are derived from the 15-percent and 5-percent sample questionnaires (see "Data Collection Procedures," below). Some items appeared on both sample questionnaires and, therefore, are based on a 20-percent sample of housing units. The sampling rate for each subject is shown in table A of Appendix C, "Accuracy of the Data." Appendix C also presents information on the sampling variability associated with these data.

Statistics for some subgroups (e.g., households in owner-occupied units with incomes of less than \$2,000 or renter-occupied 1-room units) may differ from table to table or within the same table when the figures are tabulated from different samples.

Derived figures (medians, etc.).-Shown in this report are medians as well as certain percentages and ratios. The median, which is a type of average, is the middle value in a distribution; i.e., the median divides the distribution into two equal partsone-half of the cases fall below the median and one-half of the cases exceed the median. For all types of derived figures in this report, the figure is not presented (but indicated by three dots "...") if there are fewer than the prescribed number of units in the distribution or the base. For the 20-percent sample, the minimum number of housing units is 100; for the 15-percent sample, the minimum is 132; and for the 5-percent sample, the minimum is 400.

Medians for rooms and persons are rounded to the nearest tenth, for value to the nearest hundred dollars, and for rent to the nearest dollar. In computing medians for rooms and persons per housing unit, the whole number is used as the midpoint of the interval so that, for example, the category "3 rooms" is treated as an interval ranging from 2.5 up to 3.5 rooms. In computing median rent, units reported as "no cash rent" are excluded. The median is computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in this report. When the median falls in the lower terminal category of an open-end distribution, the method of presentation is to show the initial value of the next category followed by a minus sign; thus, for example, if the median falls in the category "Less than \$5,000," it is shown as "\$5,000-." When the median falls in the upper terminal category of an open-end distribution, the method of presentation is to show the initial value of the terminal category followed by a plus sign; thus, for example, if the median falls in the category "\$50,000 or more," it is shown as "\$50,000+."

Symbols.—A dash "—" signifies zero. Three dots "..." mean not applicable, or that the base for a derived figure is too small for it to be shown, or that the data are being withheld to avoid disclosure of information for individual housing units. The symbol "U" means that the place is unincorporated.

Boundaries.—The data shown for 1970 relate to the boundaries as they existed on January 1, 1970. Information on boundary changes between 1960 and 1970 for certain types of areas is given in the 1970 Population Census PC(1)-A reports.

DATA COLLECTION PROCEDURES

The 1970 census was conducted primarily through self-enumeration. In 1960, self-enumeration was first introduced on a nationwide scale as a substitute for the traditional census direct interview.

A census questionnaire was delivered by postal carriers to every household several days before Census Day, April 1, 1970. This questionnaire contained certain explanatory information and was accompanied by an instruction sheet; in areas with comparatively large proportions of Spanish-speaking persons, a Spanish version of the instruction sheet was also enclosed. Some of this material is reproduced in Appendix B, "Definitions and Explanations of Subject Characteristics."

In the larger metropolitan areas and some adjacent counties, altogether containing about three-fifths of the

population of the United States, the householder was requested to fill out and mail back the form on Census Day. Approximately 87 percent of the householders did so. The mailed-back forms were reviewed by the census enumerator (or, in some localities, a census clerk) and if the form was determined to be incomplete or inconsistent, a followup was made. The bulk of these followups were made by telephone, the rest by personal visit. For the households that did not mail back their forms, a followup was also made, in almost all cases by personal visit and in the remainder by telephone; vacant units were enumerated by personal visit.

For the remaining two-fifths of the population, the householder was requested to fill out the form and give it to the enumerator when he called; approximately 80 percent did so. Incomplete and unfilled forms were completed by interview during the enumerator's visit.

Three types of questionnaires were used throughout the country: 80 percent of the households answered a form containing a limited number of population and housing questions and the remainder, split into 15-percent and 5-percent samples, answered forms which contained these questions as well as a number of additional questions. Some of the additional questions were the same on the 15-percent and 5-percent versions; others were different. A random procedure was used to determine which of the three forms any particular household answered.

In the metropolitan and adjacent areas, the designated type was sent to each household. In the remaining areas, the questionnaire with a limited number of questions was distributed to all households and the enumerators

INTRODUCTION—Continued

interviewed for the additional questions in those households designated for the 15-percent and 5-percent samples.

The subjects covered in this report are all drawn from the 15-percent and 5-percent sample questionnaires.

PROCESSING PROCEDURES

The 1970 census questionnaires were specially designed to be processed by FOSDIC (Film Optical

Sensing Device for Input to Computers). Respondents and enumerators (and for some few items, census clerks) marked the answers in predesignated positions which could be "read" by FOSDIC, from a microfilm copy of the questionaire, onto computer magnetic tape.

The tape containing the information from the questionnaires was processed on the Census Bureau's computers through a number of editing and tabulation steps (see Appendix C, "Accuracy of the Data"). One of the end results of this operation was a computer tape from which the tables in this report were prepared on a cathode-ray-tube phototypesetting machine at the Government Printing Office. Another end result was the summary tape which is available for purchase, as described in Appendix D, "Publication and Computer Summary Tape Program."

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METROPOLITAN HOUSING CHARACTERISTICS

Honolulu, Hawaii standard metropolitan statistical area

[Page numbers listed here omit the SMSA prefix number which appears as part of the page number for each page. The prefix for this SMSA is 90.]

page

MAP

Counties, Standard Metropolitan Statistical Areas, and Selected Places

ΧI

INDEX OF TABLES

[The prefix letter "A" refers to tables for the total SMSA; tables for central cities and for places of 50,000 inhabitants or more, which follow in alphabetical order, have the prefix letter "B," "C," etc.]

Area	Prefix letter	Tables 1-10	Tables 11-18	Tables 19-26
		Pages	Pages	Pages
Total SMSA	A	1 to 9	_	
Honolulu	В	10 to 18	_	
	10701		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Settement and accompany of the set of the set

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[Tables 11 to 18 are shown if an area has 25,000 or more Negro population and tables 19 to 26 are shown if an area has 25,000 or more population of Spanish language]

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Plumbing Facilities by Persons per Room for Owner

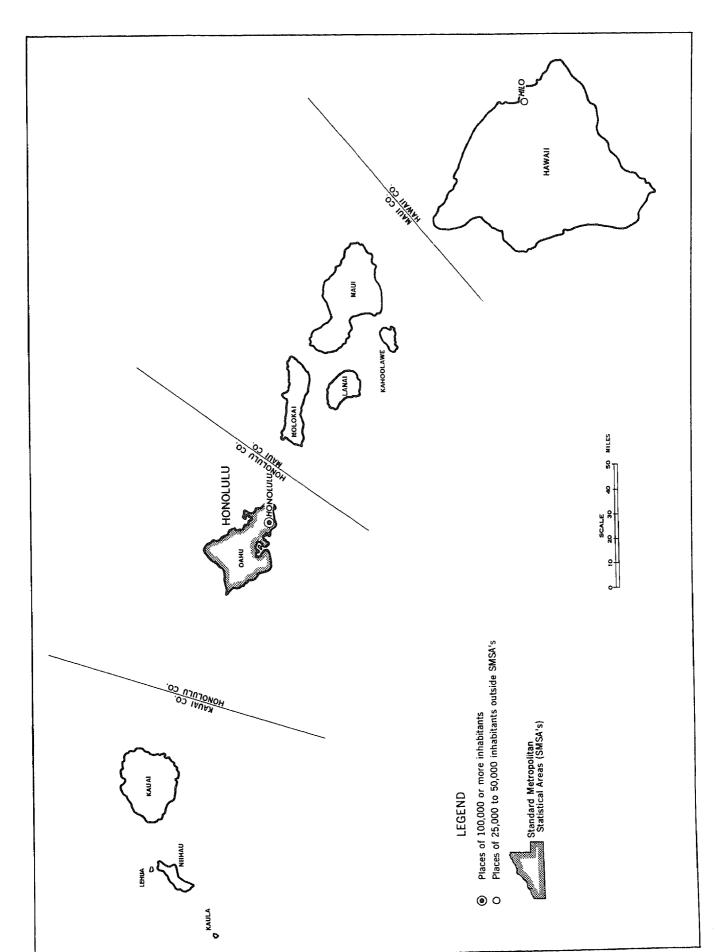
Head of Household: 1970

and Renter Occupied Housing Units With Negro

TABLE

- 15 Rooms in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970
- 16 Units in Structure for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970
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- Persons in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970
- 1 9 Value of Owner Occupied Housing Units With Household Head of Spanish Language: 1970
- 20 Gross Rent of Renter Occupied Housing Units With Household Head of Spanish Language: 1970
- 21 Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970
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- 24 Units in Structure for Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970
- 25 Household Composition for Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970
- Persons in Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970

Counties, Standard Metropolitan Statistical Areas, and Selected Places



NOTE

The data shown in the tables do not reflect corrections in the housing unit counts for certain areas in this SMSA; see "Correction Note" (page 6) in the 1970 Housing Census HC(1)-A reports.

Table A-1. Value of Owner Occupied Housing Units: 1970

Г	Data based on	Less	\$5,000 to	I .	500 \$1	0,000,0	\$12,500	\$15,00	io P	20,000	25,000 to 34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)
he SMSA	Total	\$5,000	\$7,499		999 \$1		\$14,999 438	1 93	-		18 760	23 416	14 359	38 400
Specified owner occupied ¹ OOMS	65 046 565 2 245	246 17 35	186 19 16 58		24 46 103	34 32 166	32 42 123	14 54	45 49 62	60 266 1 058 2 399	129 685 2 203 9 331	102 714 1 529 7 830	103 260 705 2 427	29 000 32 800 30 200 33 400 40 300
rooms	6 593 23 488 17 923 8 206 6 026 5.5	86 80 18 10 4.3	53 31 4.5	}	105 44 11 11 4.5	200 51 37 5 4.7	172 39 9 21 4.6	2	91 09 47 28 4.7	893 114 49 4.9	4 808 1 167 437 5.2	8 057 3 532 1 652 5.7	3 773 3 274 3 817 6.5	46 500 50000 +
PRSONS persons persons persons persons persons persons persons persons or more	17 776	17 49 30 23 20 107 4.7		8 6 6 9	18 73 45 37 57 114 4.5	34 134 88 50 21 198 3.6	62 77 36 79 49 135 4.1	300	205 343 297 280 380 303 303 3.9	305 872 711 1 015 800 1 136 4.0	597 2 782 3 352 4 128 3 419 4 482 4.1 246	846 3 820 4 258 5 536 4 108 4 848 4.0 450	635 2 901 2 862 2 948 2 186 2 827 3.8 412	39 600 39 500 38 900 37 900 36 400 41 100
Inits with roomers, boarders, or lodgers	64 546 19 663 34 588 7 595 2 700 500 169	19 15 16		18 18 18 39 15 46 40 11 11 13	314 64 125 71 54 30 - 9	457 114 174 81 88 68 31 20	408 98 185 67 58 30	3	900 529 823 343 205 31 10 16 5	4 811 1 212 2 380 867 352 28 4 19 5	18 691 4 128 10 597 3 020 946 69 36 28 5	23 360 6 944 13 450 2 292 674 56 13 27 11 5	14 298 6 505 6 753 789 251 61 31 18 —	38 500 42 800 38 200 32 600 30 500 14 600 19 800 20 700
8EDROOMS None and 1	1 534 8 373 42 814	20 20 30 81	5 1	22 10 136 17	67 54 120	43 145 171 196	9: 14 23 3	9 1	127 789 202 144	133 1 114 3 174 312	353 2 649 14 294 1 622	417 2 135 16 361 4 422	260 1 171 7 039 5 894	32 500 31 700 36 800 48 400
4 or more	3 75 10 81 13 87 20 44 7 66	6 5 4 6 17	6	5 22 31 69 61	5 15 35 83 67	17 36 45 134 128 165	1 1 11	0 9 7 16 24 52	6 88 254 593 399 591	40 222 1 004 1 918 855 800	657 2 947 4 390 6 597 2 103 2 066	1 788 4 909 5 182 6 994 2 306 2 237	1 233 2 574 2 919 3 969 1 539 2 125	35 10
1939 or earlier	34 4 26 20 3 5	16 12 33 78		93 18 - 33	307 45 25	335 89 6 84		52 41 - 32	1 674 135 13 40	4 192 541 46 36	14 018 4 371 118 121	10 390 12 507 547 114	2 926 8 529 2 848 53	44 50 50000- 18 90
None or also used by another household HOUSEHOLD COMPOSITION Twe-or-mare-person households. Male head, wife present, no nonrelatives Under 25 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Other male head Under 65 years 65 years and over female head Under 65 years 65 years and over 65 years and over 65 years and over 65 years and over 65 years and over 65 years and over 65 years and over 65 years and over	62 3 54 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	31 1 17 05 13 05 13 05 191 124 124 198	29 67 -4 28 94 41 17 17 17 -5	168 117 -9 34 57 17 29 19 10 22 17 5 5	326 283 - 22 59 137 65 32 27 5 11 5 6 18	491 371 46 83 196 46 63 48 15 57 41 16 34	1		1 726 1 395 29 100 318 807 141 149 115 34 182 137 45 205 101	4 534 3 722 50 373 859 2 003 437 295 228 67 517 380 137 197 108	18 163 16 001 244 2 691 4 549 7 424 1 093 801 737 64 1 361 1 155 206 597 379 218	1 050 899 153 1 662 1 275 384 846 57	69 15 84 63 4 33	38 66 31 99 55 37 90 65 37 90 66 38 76 66 38 3 66 38 3 38 0 4 40 4 40 4 38 0 2 40 4 38 0 3 3 5 6 4 4 38 3 3 3 3 5 6 4 4 3 8 3
Under 65 years	2 1 1 1 7 17 17 24 8	240 916 012 107 251 549 019 009 002 857	30 5 10 9 10 14 25 86 52 5	9 11 15 5 16 4 32 51 29 16	22 14 12 18 18 22 66 44 98 30 \$10 000	67 17 8 25 26 14 14 12: 2' \$11	7 3 5 5 6 9 6	56 14 14 10 15 24 63 117 89 36 000	188 83 74 27 54 53 284 559 532 77 \$11 800	214 126 126 107 185 192 817 1 531 1 247 294 \$12 100	500 200 26 37 36 55 2 56 6 27 6 51 1 13 \$13 60	3 25 4 28 9 34 7 36 2 43 9 2 2 6 6 6 05 3 10 13	9 1 1 6 6 0 2 2 2 3 3 2 5 14 5 19 5 19 6	82 553 5000
YEAR MOVED INTO UNIT 1969 to March 1970	7 5 4 8 14	903 029 215 386 772 840 771	4 20 5 38 103 87	6 13 6 5 36 40 38	9 - 20 41 47 171 89		11 13 13 13 13 13 13 13 13 13 13 13 13 1	23 13 8 26 60 195	85 38 55 245 302 795 342	177 164 167 496 1 31 1 71 78	1 2- 1 1- 2 3 4 9 5 4 3 1 7	40 2 1 62 1 6 94 3 3 67 4 9 50 5 8 35 2 0	05 1 44 1 14 3 30 3 773 3 155 1	211 42 435 42 112 40 822 39 007 36 326 35 443 35
HEATING EQUIPMENT Steam or hot water		432 12 260 2 214 2 128	- - - 5 241	188	- - - 15 329	1 .	5 7 5 11 197	- - - - 9 429	6 12 - 39 1 874	3	66	5 68 376 230 22	637 13	68 36 096 49 092 36
None		9 715 208 5 013	24	14	12 - 365	:1	25 489	403	9 [.] 1 77	- ì	9	24	700	216 4 105 50 035 3

*Limited to one-family homes an less than 10 acres and no business on property.

Table A-2. Gross Rent of Renter Occupied Housing Units: 1970

	[Data paseo	on sample, se	e text, For n	ninimum base	for derived f	igures (perce	nt, median, e	tc.) and mea	ning of symbo	ls, see text]			
The SMSA	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	to	\$200 to \$299	or	No cosh rent	Median (dollars)
Specified renter occupied ¹	90 190	3 862	3 021	2 762	2 561	6 063	11 624	13 988	18 574	11 439	5 040	11 256	141
ROOMS													
1 room	8 087 12 783 16 970 23 348 17 381 8 277 2 197 1 147 3.7	813	685 188 447 1 085 566 29 11 10 3.7	736 263 340 403 878 126 — 16 3.6	568 324 378 692 342 211 46 - 3.5	922 1 317 1 203 1 667 628 240 62 24 3.2	907 2 022 1 954 2 866 2 285 1 276 292 22 3.8	921 3 131 3 047 4 391 1 600 730 123 45 3.5	872 186 59	470 1 041 2 170 3 002 2 818 1 461 330 147 4.2	92 174 469 1 468 955 1 075 584 223 4.8	312 496 893 2 248 4 081 2 157 506 563 4,9	92 135 149 142 149 170 221 253
PERSONS					ĺ					7.2	4.0	4.9	***
1 person. 2 persons. 3 persons. 4 persons. 5 persons. 6 persons or more Median. Units with roomers, boarders, or ladgers	16 049 22 612 16 531 14 895 9 455 10 648 2.8 3 417	2 085 811 285 235 143 303 1.4	868 480 586 433 340 314 2.8	877 377 188 287 318 715 3.2 73	702 478 422 301 164 494 2.7	1 493 1 405 891 823 517 934 2.6	1 771 2 581 2 211 2 200 1 493 1 368 3.2	2 232 3 827 3 009 2 405 1 185 1 330 2.8	3 002 5 940 3 783 2 671 1 504 1 674 2.6	1 630 3 233 2 160 2 017 1 204 1 195 2.9 815	477 1 316 865 989 731 662 3.3	912 2 164 2 131 2 534 1 856 1 659 3.7	117 152 146 144 141 128
PLUMBING FACILITIES BY PERSONS PER ROOM							-55	400	307	013	435	86	174
With all plumbing facilities	86 090 21 638 45 548 11 482 7 422 4 100 593 2 668 216 623	1 594 242 1 137 36	2 289 475 1 251 348 215 732 73 560 29 70	2 287 357 1 004 542 384 475 45 364 16 50	2 283 439 1 038 448 358 278 48 128 32	5 765 1 370 2 467 948 980 298 33 135 48 82	11 426 2 357 6 340 1 496 1 233 198 21 96 9	13 891 3 010 7 514 2 006 1 361 97 6 47 21	18 531 4 490 9 951 2 552 1 538 43 4 34	11 398 3 444 5 998 1 342 614 41 - 36	5 026 1 765 2 622 479 160 14 9	10 926 2 909 6 496 1 112 409 330 112 126 25	144 154 146 138 124 54 50 52 75
BEDROOMS							"	23	3	اد	_	67	66
None	8 898 21 313 32 758 27 207		775 400 1 525 496	805 352 419 1 283	589 564 934 636	892 2 052 1 510 990	850 3 135 3 684 3 142	1 193 4 204 5 505 2 134	1 322 5 710 8 393 4 139	692 2 043 4 411 4 621	116 428 2 153 2 605	256 1 162 3 613 6 406	97 136 152 162
YEAR STRUCTURE BUILT													
1949 to March 1970 1945 to 1948 1940 to 1944 1950 to 1954 1940 to 1949 1939 or earlier.	4 484 13 239 17 598 22 366 15 581 16 922	83 423 252 276 596 2 232	150 168 317 481 816 1 089	187 114 563 480 629 789	57 63 269 538 707 927	97 220 504 1 271 1 747 2 224	236 1 013 1 767 3 826 2 585 2 197	271 1 996 3 081 4 463 2 211 1 966	1 044 3 640 4 945 4 559 2 344 2 042	1 354 2 645 2 902 2 497 990 1 051	728 1 824 1 077 821 240 350	277 1 133 1 921 3 154 2 716 2 055	199 178 161 138 115
ELEVATOR IN STRUCTURE									2 0 12		330	2 033	102
4 Hoors or more With elevator Walk-up 1 to 3 floors	10 271 7 662 2 609 79 905	537 516 21 3 500	459 421 38 2 737	533 228 305 2 326	124 20 104 2 599	107 23 84 5 337	308 134 174 10 503	1 085 398 687 11 951	2 322 1 436 886 17 242	2 864 2 611 253 8 903	1 736 1 719 17 3 566	196 156 40 11 241	191 222 144 138
COMPLETE BATHROOMS										- 140			150
1 and 1 1/2 2 or more None or also used by another household	75 148 10 459 4 592	2 189 47 1 634	2 252 7 747	2 225 12 516	2 189 42 307	5 677 150	9 721 1 840	13 436 762	17 234 838	9 780 1 500	2 117 2 833	8 328 2 428	140 221
INCOME IN 1969			,	310	307	432	233	124	144	78	20	357	56
Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Median	9 371 4 392 5 302 5 634 6 911 7 137 18 869 19 476 11 057 2 041 \$7 900	1 130 422 340 318 252 256 564 390 179 11 \$4 100	635 362 271 243 241 192 451 390 211 25 \$5 000	513 312 311 205 266 192 456 315 169 23 \$5 200	424 164 216 232 285 221 518 312 174 15 \$5 900	678 527 420 503 489 509 1 290 1 158 432 57 \$6 800	1 342 486 609 779 1 111 1 304 2 791 2 245 815 142 \$7 200	1 103 600 905 840 911 1 103 3 315 3 529 1 497 185 \$8 400	1 395 672 1 113 1 086 1 385 1 431 3 960 4 734 2 505 293 \$8 700	1 072 404 537 555 639 662 2 104 2 908 2 168	388 139 181 168 289 197 561 1 021 1 439 657	691 304 399 705 1 043 1 070 2 859 2 474 1 468 243	114 111 129 127 130 130 138 152 176 238
YEAR MOVED INTO UNIT						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ψ, 200	\$0 400	\$6 700	\$9 600	\$12 900	\$8 500	***
1949 to March 1970 1948 1947 1945 and 1946 1940 to 1944 1950 to 1959 1949 or earlier	43 231 13 688 8 272 9 170 8 896 4 948 1 994	1 006 510 203 443 734 539 435	993 246 227 468 417 394 261	781 230 299 437 504 353	732 294 194 405 557 265	1 954 734 684 845 1 127 662 253	4 932 1 991 1 384 1 317 1 339 659 172	6 403 2 177 1 505 1 873 1 575 655	9 743 2 945 1 704 1 949 1 344 428	7 429 1 696 768 745 494 194	3 994 559 222 79 76 40	5 264 2 306 1 082 609 729 759	161 143 132 126 111
GROSS RENT AS PERCENTAGE OF INCOME						250	1/2	134	103	32	-	364	68
Less thon 10 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	8 467 12 966 13 153 10 024 11 712 20 398 13 470	1 687 557 298 282 308 649 81	1 088 509 309 245 256 531 83	796 510 308 278 279 507 84	574 557 459 207 204 469 91	1 202 1 407 980 615 584 1 160 115	1 233 2 528 2 382 1 694 1 390 1 831 566	995 3 073 2 907 1 875 1 882 2 943 313	583 2 746 3 422 2 628 3 319 5 518 358	219 845 1 594 1 585 2 372 4 504 320	90 234 494 615 1 118 2 286 203	11 256	81 124 139 147 164 169 128
AIR CONDITIONING Room unit(s)	9 523	92	20										
Central system None	9 523 664 80 012	82 3 788	92 2 914	72 2 681	25 2 513	225 14 6 020	1 375 49 10 370	1 228 39 13 055	1 615 101 16 500	1 367 140 9 851	866 287 3 817	2 576 34 8 503	162 280 137

Excludes one-family homes on 10 acres or more.

Table A-3. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970

	[Data based o	on sample, see	text. For min	imum base fo	r derived figur	es (percent, r	median, etc.) a	nd meaning o	f symbols, see	text]		
The SMSA	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999		\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
Owner occupied housing units	74 162	2 796	1 196	1 308	1 445	1 563	1 918	8 116	19 167	26 477	70 176	14 900
ROOMS † and 2 rooms 4 rooms 5 rooms 6 rooms 7 rooms or more	1 869	203	134	75	136	136	94	320	392	296	83	8 500
	3 556	340	144	113	138	89	160	516	953	849	254	11 500
	9 747	611	311	308	288	334	401	1 283	2 651	2 662	898	12 500
	25 184	851	318	503	483	586	781	3 319	7 504	8 714	2 125	13 800
	18 925	450	184	179	242	210	299	1 747	5 024	7 981	2 609	16 400
	14 881	341	105	130	158	208	183	931	2 643	5 975	4 207	19 600
PERSONS 1 person 2 persons 3 and 4 persons 5 persons 6 persons or more Units with roomers, boarders, or ladgers	4 764 14 347 28 153 11 532 15 366 1 703	1 288 794 494 83 137	328 542 203 70 53	281 547 327 78 75	325 605 322 87 106	254 546 444 125 194	273 628 619 138 260 92	672 2 048 3 014 1 069 1 313 281	761 3 226 7 806 3 325 4 049	396 3 807 11 267 4 809 6 198 369	186 1 604 3 657 1 748 2 981 206	5 600 12 300 15 800 16 600 17 400
BEDROOMS Less than 3	15 889	1 157	593	518	533	480	768	2 568	3 946	3 775	1 551	11 700
	44 728	1 554	375	607	689	772	1 010	5 262	12 226	17 295	4 938	14 900
	13 567	465	130	102	154	99	197	846	2 422	5 400	3 752	19 400
YEAR STRUCTURE BUILT 1969 to March 1970	4 569	106	15	51	50	27	84	352	1 412	1 937	535	16 000
	29 168	800	303	367	405	538	657	3 047	7 914	11 208	3 929	15 500
	22 175	641	317	410	428	417	474	2 535	5 682	8 026	3 245	15 200
	18 250	1 249	561	480	562	581	703	2 182	4 159	5 306	2 467	13 400
YEAR MOVED INTO UNIT 1969 to March 1970	10 082	323	98	216	202	189	234	999	2 946	3 708	1 167	14 700
	6 167	102	35	69	87	119	146	652	1 632	2 511	814	16 000
	30 989	800	386	395	465	524	751	3 194	8 465	11 492	4 517	15 400
	26 924	1 471	682	645	720	780	796	3 029	6 325	8 789	3 687	14 200
SELECTED CHARACTERISTICS Automatic clothes washing machine Clothes dryer Dishwasher Home food freezer Owned second home With air conditioning Room unit(s) Central system Automobiles available:	67 009 30 109 21 380 19 529 3 660 12 043 11 530 513	2 417 1 065 910 636 126 301 291	737 158 147 215 82 124 124	907 327 274 394 66 169 145 24	1 155 226 205 266 66 221 215 6	1 120 450 234 151 60 134 128 6	1 618 619 342 579 64 188 167 21	7 395 2 285 1 356 2 001 349 893 874 19	16 840 6 423 4 093 4 474 469 2 542 2 466 76	25 153 12 547 8 551 7 042 1 164 4 532 4 353 179	9 667 6 009 5 268 3 771 1 214 2 939 2 767 172	15 500 17 800 18 700 16 500 19 700 18 200 18 100 20 300
1	26 586	1 403	598	786	771	950	1 184	4 193	8 100	7 086	1 515	12 100
2	34 444	401	191	245	355	403	483	2 810	9 310	14 968	5 278	17 000
3 or more	9 965	53	37	19	74	68	102	465	1 642	4 191	3 314	21 000
Renter occupied housing units	90 601	9 415	4 411	5 325	5 654	6 940	7 153	18 963	19 595	11 100	2 045	8 000
ROOMS 1 room	8 099	1 814	815	8111	761	717	659	1 415	816	220	71	4 800
	12 816	1 575	905	1 047	975	1 012	1 011	2 693	2 515	960	123	6 900
	17 038	1 945	998	1 195	1 165	1 312	1 470	3 401	3 543	1 788	221	7 400
	23 491	1 860	1 089	1 333	1 492	1 621	1 675	4 963	5 738	3 072	648	8 600
	17 514	1 278	443	649	944	1 456	1 444	4 124	4 173	2 653	350	8 800
	11 643	943	161	290	317	822	894	2 367	2 810	2 407	632	10 000
PERSONS 1 person. 2 persons 3 ond 4 persons 5 persons 6 persons or more Units with roomers, boarders, or lodgers	16 084 22 677 31 563 9 500 10 777 3 439	3 964 2 297 2 243 427 484 604	1 407 1 319 1 317 165 203 369	1 612 1 613 1 422 306 372 392	1 373 1 609 1 842 330 500	1 295 1 857 2 454 733 601	1 272 1 836 2 512 846 687 324	2 718 4 477 6 969 2 261 2 538 581	1 679 4 509 7 948 2 469 2 990 386	593 2 600 4 255 1 686 1 966	171 560 601 277 436 30	4 800 7 500 8 700 9 600 10 000 5 300
BEDROOMS None	8 898	2 180	720	813	726	671	635	1 700	1 105	240	108	5 000
	21 400	2 709	1 415	1 687	1 406	1 755	1 768	4 346	4 345	1 793	176	7 000
	32 963	2 785	1 314	1 658	1 987	2 289	2 410	7 233	8 062	4 345	880	8 700
	27 318	1 855	592	1 021	1 109	2 251	1 829	6 437	6 257	4 994	973	9 300
YEAR STRUCTURE BUILT 1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier	4 489	515	234	249	325	386	424	932	760	568	96	7 400
	30 889	3 042	1 362	1 843	822	2 436	2 427	6 470	6 743	3 942	802	8 200
	22 442	1 972	921	1 233	361	1 743	1 868	5 116	5 377	2 459	392	8 200
	32 781	3 886	1 894	2 000	2 146	2 375	2 434	6 445	6 715	4 131	755	7 800
YEAR MOVED INTO UNIT 1969 to March 1970	43 360	4 941	2 294	3 152	3 191	3 721	3 857	8 913	7 934	4 478	879	7 200
	13 734	1 103	579	603	843	977	1 186	2 979	3 409	1 726	329	8 600
	26 496	2 466	1 260	1 199	1 414	1 722	1 856	5 723	6 513	3 765	578	8 700
	7 012	827	404	401	288	455	425	1 168	1 711	1 084	249	8 800
GROSS RENT AS PERCENTAGE OF INCOME Spacified renter occupied* Less than 15 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	90 190 21 433 13 153 10 024 11 712 20 398 13 470	9 371 53 11 95 262 6 045 2 905	4 392 54 114 314 573 3 033 304	5 302 167 330 420 624 3 362 399	5 634 405 410 462 1 192 2 460 705	6 911 648 551 879 1 655 2 135 1 043	7 137 748 869 1 460 1 709 1 281 1 070	18 869 3 510 4 365 3 263 3 374 1 498 2 859	19 476 7 850 4 749 2 170 1 701 532 2 474	11 057 6 533 1 525 898 587 46 1 468	2 041 1 465 229 63 35 6 243	8 000 13 300 9 900 8 300 6 900 3 300 7 300
SELECTED CHARACTERISTICS Automatic clothes woshing machine	50 339 21 755 10 442 10 855 2 897 10 209 9 545 664	3 638 1 640 775 451 311 793 769	1 448 435 162 288 65 167 154	1 823 517 252 297 156 303 255 48	2 483 701 127 294 18 329 279	3 521 1 789 469 550 85 505 494 11	3 537 1 819 578 711 127 670 645 25	11 802 5 567 2 075 2 870 784 2 026 1 915	12 679 4 672 2 689 2 995 578 2 959 2 843 116	7 949 3 771 2 563 2 081 556 1 891 1 739 152	1 459 844 752 318 217 566 452	9 200 9 100 11 500 10 000 9 600 10 500 10 500 12 200
Autamobiles available: 1	52 255	4 366	2 031	2 890	3 445	4 631	5 221	12 673	11 316	4 870	812	7 800
	20 662	846	361	620	587	942	1 097	3 943	6 541	4 908	817	11 500
	3 006	128	124	109	102	104	87	445	699	893	315	12 900

¹Excludes one-family homes on 10 acres or more.

Table A-4. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units: 1970

		sample, see text.		plumbing facilit	-				or all plumbing	facilities	-
The SMSA	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
Owner occupied housing units	74 162	73 516	23 962	38 168	8 274	3 112	646	203	248	66	129
PERSONS 1 persons 2 persons 4 persons 5 persons 6 persons Common Median Units with roomers, boarders, or ladgers	4 764 14 347 13 006 15 147 11 532 15 366 3.8 1 703	4 611 14 195 12 917 15 103 11 482 15 208 3.8 1 672	4 289 12 654 5 384 1 195 440 2.1 383	322 1 421 7 427 13 294 9 762 5 942 4.2 765	84 523 937 6 730 6.4 345	120 22 91 343 2 536 7.5+	153 152 89 44 50 158 2.7	114 89 - - - 1.4 6	39 44 74 39 29 23 3.1 6		19 5 - 12 93 7.4 14
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1969 1940 to 1949 1939 or earlier	4 649 13 118 15 775 22 266 8 683 9 671	4 636 13 091 15 744 22 132 8 499 9 382	1 648 4 031 4 495 6 734 3 003 3 928	2 561 7 421 8 785 11 616 3 857 3 995	372 1 241 1 801 2 749 1 085 967	55 398 663 1 033 554 492	13 27 31 134 184 289	7 7 23 63 111	13 6 15 72 75 67	- - 19 19 38	14 9 20 27 73
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Median	1 308 1 445 1 563 1 918 8 116 19 167 26 477 10 176	2 677 1 158 1 286 1 419 1 504 1 867 8 018 19 024 26 404 10 159 \$14 900	1 930 758 778 848 779 899 2 933 5 126 6 632 3 279 \$13 000	646 326 397 452 575 710 3 840 10 302 15 552 5 368 \$16 200	72 47 61 85 112 167 909 2 649 3 068 1 104 \$15 100	29 27 50 34 38 91 336 947 1 152 408 \$15 000	119 38 22 26 59 51 98 143 73 17 \$7 200	76 21 17 11 28 5 20 19 - 6	23 17 15 21 16 48 57 46 5 \$9 000	4 -5 10 15 9 16 7	16 - - 15 21 51 20 6 \$11 200
VALUE-INCOME RATIO	11 749 9 081 10 745 13 751	64 546 8 370 10 598 11 726 9 034 10 701 13 593 524	19 663 1 601 2 192 2 829 2 416 3 206 7 011 408	34 588 4 493 6 396 7 087 5 243 5 952 5 310	7 595 1 519 1 478 1 415 1 099 1 199 876	2 700 757 532 395 276 344 396	500 171 48 23 47 44 158	169 22 17 6 15 9 97 3	179 55 26 10 27 26 35	57 26 5 7 5 5 9	95 68 - - - 4 17 6
HEATING EQUIPMENT Steam or hot water	12 337 11 2 347	490 12 337 11 2 325 70 341	136 7 79 - 1 117 22 623	273 5 179 11 1 054 36 646	46 -41 -109 8 078	35 - 38 - 45 2 994	- - - 22 624	- - - 5 198	- - - 7 241	 - - 10 56	129
Renter occupied housing units	90 601	86 390	21 697	45 660	11 555	7 478	4 211	606	2 712	251	642
PERSONS 1 person 2 persons 3 persons 5 persons 6 persons 6 persons or more Median Units with roomers, boarders, or lodgers	22 677 16 600 14 963 9 500 10 777 2.9	13 484 22 055 16 319 14 785 9 353 10 394 3.0 3 270	10 034 9 783 1 566 212 102 - 1.6 570	3 450 10 808 12 373 11 524 5 576 1 929 3.2	1 944 2 040 2 273 5 298 5.3 432	1 464 436 1 009 1 402 3 167 5.1	2 600 622 281 178 147 383 1.3	418 176 8 4 - - 1.2	2 182 205 168 82 60 15 1.1	63 38 48 102 5.0	241 42 54 39 266 4.2
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1966 to 1964 1950 to 1964 1950 to 1959 1940 to 1949 1939 ar earlier	13 333 17 312 22 625 15 856	13 229 16 989 22 272	1 014 3 456 4 300 5 183 3 660 4 195	2 355 7 605 9 064 12 124 7 969 6 686	658 1 400 2 199 3 116 2 052 2 046	281 768 1 426 1 849 1 624 1 490	54 104 323 353 551 2 697	12 12 32 86 416	47 66 258 234 345 1 659	- 18 29 28 181	7 26 35 58 92 441
NCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$7,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or \$24,999 \$25,000 or more Median	4 411 5 325 5 654 6 940 7 153 18 963 19 595 11 100 2 045	3 947 4 968 5 284 6 629 6 663 18 239 19 249 10 977 2 023	3 537 1 228 1 616 1 376 1 597 1 619 3 989 3 716 2 386 633 \$6 900	3 529 1 954 2 402 2 902 3 818 3 973 9 953 10 375 5 802 952 \$8 300	681 409 554 557 761 706 2 611 3 189 1 854 233 \$9 400	464 356 396 449 453 565 1 686 1 969 935 205 \$8 900	1 204 464 357 370 311 290 724 346 123 22 \$4 200	177 75 42 78 59 44 88 38 - 5 \$4 100	915 299 240 217 202 205 409 174 46 5 \$3 600	18 24 26 34 16 3 61 49 20 - \$7 200	94 66 49 41 34 38 166 85 57 12 \$7 000
GROSS RENT AS PERCENTAGE OF INCOME Spacified renter occupied? Less than 10 percent. 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percant or more. Not computed	90 190 8 467 12 966 13 153 10 024 11 712 20 398	7 422 12 322 12 757 9 704 11 394 19 460	21 638 1 172 2 250 2 701 2 325 3 058 6 401 3 731	45 548 3 496 6 376 6 767 5 301 6 327 9 830 7 451	11 482 1 540 2 241 2 070 1 121 1 272 1 926 1 312	7 422 1 214 1 455 1 219 957 737 1 303 537	4 100 1 045 644 396 320 318 938 439	593 136 94 63 24 48 93 135	2 668 628 440 231 254 185 727 203	216 68 43 31 6 10 28 30	623 213 67 71 36 75 90
HEATING EQUIPMENT Steam or hot water Warm-oir furnace Built-in electric units Floor, wall, or pipeless furnace Other means None	2 566 15	14 2 568 19 1 622	69 503 4 484 20 637	129 14 1 709 15 930 42 863	72 295 144 11 044	52 61 64 7 301	10 - - 11 4 190	- - - - - - - 606	5 - - - 6 2 701	- - - - 251	5 - - - 5 632

Limited to one-family homes on less than 10 acres and no business on property. 2Excludes one-

²Excludes one-family hames on 10 acres or more.

Table A-5. Rooms in Owner and Renter Occupied Housing Units: 1970

[D	ata based on samp	ple, see text. Fo	r minimum base	for derived figu	res (percent, me	dian, etc.) and n	neaning of symbo	ls, see text]	Contract of the Contract of th	
The SMSA	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Medion
Owner occupied housing units Units with 1 or more bathrooms and	74 162	555	1 314	3 556	9 747	25 184	18 925	8 551	6 330	5.4
complete kitchen facilities for exclusive use, and direct access	73 102	421	1 144	3 519	9 548	24 976	18 879	8 401	6 214	5.4
PERSONS 1 person	4 764 14 347 13 006 15 147 11 532 15 366 3.8	361 139 27 10 12 6	588 445 94 81 41 65	623 1 020 594 528 302 489 2.7	1 162 3 198 1 689 1 531 946 1 221 2.8	1 167 4 807 5 218 5 226 4 062 4 704 3.8	574 2 924 3 230 4 529 3 245 4 423 4.1	136 1 204 1 315 2 047 1 695 2 154 4.3	153 610 839 1 195 1 229 2 304 4.8	4.2 5.0 5.3 5.5 5.6 5.8
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities O.50 or less O.51 to 1.00 1.01 to 1.50 1.51 or more O.50 or less O.50 or less O.51 to 1.00 1.01 to 1.50 1.51 or more	73 516 23 962 38 168 8 274 3 112 646 203 248 66 129	492 322 170 63 39 - 24	1 222 555 407 84 176 92 33 38 10	3 483 613 1 580 523 767 73 10 34 5	9 612 4 310 3 186 1 488 628 135 50 34 14 37	24 987 5 898 14 442 3 660 987 197 76 64 24	18 896 6 712 9 898 1 999 287 29 16 5 8	8 522 2 646 5 468 334 74 29 15	6 302 3 228 2 865 186 23 28 9 19	5.4 5.6 5.4 5.1 4.2 4.2 4.6 3.9
BEDROOMS Nane and 1	3 570 12 319 44 728 13 567	608 - - -	1 352 - - -	1 304 1 848 	195 7 333 2 265 -	85 2 243 22 180 701	645 14 675 3 329	160 4 173 4 367	26 90 1 435 5 170	2.4 4.1 5.4 7.1
YEAR STRUCTURE BUILT 1949 to Morch 1970 1960 to 1968 1950 to 1959 1949 or earlier	4 569 29 168 22 175 18 250	10 338 94 113	14 461 447 392	120 1 455 993 988	606 3 013 2 397 3 731	1 404 9 020 8 401 6 359	1 356 8 787 5 630 3 152	618 3 830 2 445 1 658	441 2 264 1 768 1 857	5.6 5.5 5.4 5.1
1 and 1 1/2	40 048 33 276 838	450 39 63	1 118 80 115	2 981 574 105	6 873 2 690 204	17 277 7 704 241	8 387 10 529 59	2 085 6 316 51	877 5 344 -	5.0 6.0 4.2
VALUE-INCOME RATIO Specified owner occupied: Less than 1.5 1.5 to 1.9 2.0 to 2.9 3.0 or more Not computed	65 046 8 541 10 646 20 830 24 496 533	143 41 10 15 71	422 50 36 98 230 8	2 245 319 251 540 1 098 37	6 593 1 088 1 012 1 672 2 753 68	23 488 3 084 4 009 7 459 8 774 162	3 038 6 247 6 455	8 206 998 1 304 2 919 2 916 69	6 026 917 986 1 880 2 199 44	5.5 5.4 5.5 5.6 5.4 5.4
Renter occupied housing units Units with 1 or more bothrooms and complete kitchen facilities for exclusive	90 601 84 434	8 099 4 655	12 816 12 131	17 038 16 445	23 491 22 602	17 514		2 203 2 070	1 152 1 131	3.8 3.9
Use, and direct access	16 084 22 677 16 600 14 963 9 500 10 777	5 632 1 705 478 178 60 46	4 149 5 046 2 007 885 408 321	3 395 2 078 973 947	1 916 6 305 5 876 4 67- 2 322 2 396 3.	2 445 3 26 4 4 385 1 3 28 5 3 65	855 7 1 267 9 2 139 5 1 737 6 2 145		43 128 100 216 221 444 4.9	2.1 3.3 3.9 4.4 4.8 5.0
### PLUMBING FACILITIES BY PERSONS PER ROOM ##################################	21 69/ 45 660 11 555 7 478 - 4 211 - 606 2 712 - 251	5 597 3 450 2 147 2 502 2 182 320	112 63	3 562 9 203 2 040 1 840 3 393 1 116	8 06 10 43 3 49 1 05 43 15 11 11	4 2 84 7 10 83 7 2 79 6 75 7 28 7 7 8 10	5 2 258 5 4 788 2 1 072 4 130 8 40 2 9	473 1 468 196 30 36 9	37	3.9 3.9 4.0 4.0 2.5 1.3 3.3 1.1 3.7 1.5
BEDROOMS None	8 898 21 400 32 963	8 036 - -	11 788) 91	6 3 15	2 40			3.9
YEAR STRUCTURE BUILT 1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier	30 889 22 442	1 109	5 20 3 06	7 7 06	7 19 5 38	76 5 2 30 5 4	58 2 65 71 2 85	3 67 0 70	139	3.6
COMPLETE BATHROOMS 1 and 1 1/2 2 or more None or also used by another household	75 379 10 480	.18	B 9	7 34	6 1 37	72 2 6		1 1 44	7 80	5.3
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied? Less than 10 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	8 467 12 966 13 153 10 024 11 712 20 398	95 1 15 93 77 1 1 01 2 72	7 88 4 1 95 7 2 05 9 1 46 4 1 86	1 39 2 44 3 2 54 11 2 03 17 2 49	2 2 76 8 3 7 8 2 7 2 7 2 7 4 2 7 8 4 8	07 1 7 99 2 2 19 2 2 08 1 8 50 2 2	21 51 95 98 16 1 19 44 86 61 93 60 1 2	19 18 36 24 27 31 57 25 39 28 33 31	5 10 6 8 2 7 4 7 2 10 8 13	3. 8 3. 1 3. 4 3. 5 3

Limited to one-family homes on less than 10 acres and no business on property. 2Excludes one-family homes on 10 acres or more.

Table A-6. Units in Structure for Owner and Renter Occupied Housing Units: 1970

			occupied	***************************************	Convectingu	es (percent, n	nediari, etc.) ar	nd meaning of		text]	And the section of party	
The SMSA	<u> </u>			A4 - 1.11.				Renter	occupied			
	Total	l unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mob home trail
All occupied housing units	74 162	65 889	8 226	47	90 601	32 750	8 101	9 040	12 967	10 170	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	**********
ROOMS								, 040	12 967	12 173	15 532	:
1 room	1 314 3 556 9 747 25 184 18 925	148 442 2 295 6 697 23 738 18 169 8 310	388 860 1 255 3 050 1 436 756	19 12 6 	8 099 12 816 17 038 23 491 17 514 8 288	649 1 473 3 091 9 209 10 574 5 212	282 705 1 393 2 535 1 655 1 190	543 1 241 1 754 2 173 2 225 870	1 242 2 827 3 179 2 691 2 055 806	1 858 3 770 3 385 2 661 399	3 512 2 795 4 226 4 216 606	1
B rooms or more Median	A 330	6 090 5.5	241 240 4.0	-	2 203 1 152 3.8	1 622 920 4.7	251 90 4.2	153 81 4.0	121 46 3,3	90 10 2.6	116 56 5	
PLUMBING FACILITIES BY PERSONS PER ROOM									5.0	2.0	2.8	•
With all plumbing facilities 0.50 or less 1.51 to 1.00 1.01 to 1.50 1.51 or more lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	23 962 38 168 8 274 3 112 646	65 376 19 995 34 984 7 661 2 736 513 169 179 57	8 124 3 967 3 168 613 376 102 34 48 4	16 - 16 - 31 - 21 5 5	86 390 21 697 45 660 11 555 7 478 4 211 606 2 712 251 642	31 718 7 965 16 561 4 686 2 506 1 032 251 384 154 243	7 935 2 104 4 398 905 528 166 27 75 31	8 746 2 017 4 800 1 142 787 294 57 152 25 60	12 223 2 507 6 275 2 122 1 319 744 133 486 23 102	11 282 2 563 5 864 1 628 1 227 891 80 683	14 456 4 520 7 759 1 072 1 106 1 076 58 932	3 2
BEDROOMS				ľ			-	00	102	114	82	
None	718 2 852 12 319 44 728 13 567	226 1 328 8 546 43 178 12 930	469 1 524 3 773 1 550 637	23 - - - -	8 898 21 400 32 963 22 906 4 412	797 3 436 11 632 14 809 2 746	261 1 303 3 177 2 546 595	589 2 319 3 419 2 224 481	1 453 3 796 4 281 2 158 549	2 032 5 492 4 291 557	3 749 5 032 6 163 593	1 2
YEAR STRUCTURE BUILT				1				401	J47	20	21	,
1965 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	4 569 13 236 15 932 22 175 8 555 9 695	3 821 10 953 14 088 20 660 7 747 8 620	735 2 283 1 844 1 496 808 1 060	13 - 19 15	4 489 13 260 17 629 22 442 15 636 17 145	785 2 559 4 784 9 276 6 960 8 386	295 645 882 2 362 1 871 2 046	190 962 1 750 2 397 2 195 1 546	625 1 477 2 638 4 014 2 413 1 800	1 032 2 181 2 994 2 586 1 326 2 054	1 558 5 432 4 567 1 802 866 1 307	14
Less than \$2,000	.			l								,
\$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or \$24,999 \$25,000 or more Median	2 796 1 196 1 308 1 445 1 563 1 918 8 116 19 167 26 477 10 176	2 266 921 1 024 1 123 1 278 1 588 7 135 17 312 24 240 9 002	523 268 284 322 285 330 974 1 845 2 227 1 168	7 7 - - - 10 10 6	9 415 4 411 5 325 5 654 6 940 7 153 18 963 19 595 11 100 2 045	2 783 1 126 1 250 1 503 1 953 2 422 6 844 8 435 5 392 1 042	783 277 326 415 596 715 1 854 1 864 1 121	931 422 545 643 868 726 2 221 1 824 783	1 217 777 958 1 019 1 192 1 186 2 908 2 455 1 104	1 520 829 1 033 1 002 1 017 980 2 268 2 383 1 028	2 181 976 1 208 1 072 1 309 1 119 2 859 2 624 1 672	- 4 5 - 5 5 9 10
YEAR MOVED INTO UNIT	\$14 900	\$15 100	\$13 100		\$8 000	\$9 300	150 \$8 500	77 \$7 500	151 \$7 100	113 \$6 700	512 \$6 900	
1969 to March 1970	10 082	8 053	2 005	24	43 360	13 502	3.040					
1967 965 and 1966. 980 to 1964 950 to 1959 949 or earlier.	6 167 5 044 9 446 16 499 18 199 8 725	5 078 4 244 8 483 14 978 17 151 7 789	1 089 800 963 1 505 1 040	16 8	13 734 8 317 9 249 8 930 4 741	5 180 3 161 3 322 3 444 2 537	3 848 1 273 731 805 775 456	4 299 1 513 829 953 857 407	6 068 1 914 1 276 1 721 1 403	6 533 1 648 1 086 1 070 1 261	9 079 2 206 1 234 1 378 1 190	31 ~ - -
PROSS RENT	0 725	7 707	936	-	2 271	1 474	223	157	654 186	426 144	261 87	_
Specified renter occupied					90 190 3 862 3 021 2 762 2 561 6 063 11 624 13 988 18 574	32 339 1 376 823 644 844 2 210 4 285 4 582 5 779	8 101 132 104 180 244 814 1 429 1 176 1 214	9 040 264 345 228 331 841 1 803 1 175 1 092	12 967 585 568 536 564 1 167 1 835 2 513	12 173 607 547 425 264 616 1 340 2 675	15 532 898 634 749 314 415 932 1 862	38 - - - - 5
o Cosh rent	•••	•••	•••		11 439 5 040 11 256	4 954 2 527 4 315	859 145 1 804	334 263 2 364	2 390 612 98 2 099	3 781 1 413 175 330	4 303 3 257 1 832 336	15 10 - 8
ATING EQUIPMENT					\$141	\$145	\$126	\$115	\$122	\$144	\$171	
am or hot water	490 12 337 11 2 347 70 965	437 12 265 - 2 235 62 940	53 72 11 88	- - - 24	332 14 2 568 19 1 633	150 5 311 4 1 061	37 - 110 5 209	55 5 924 5	40 4 970 5	28 - 188	22 - 65	
CONDITIONING	. 5 700	04 740	8 002	23	86 035	31 219	7 740	77 7 9 74	137 11 811	98 11 859	51 15 394	38
m unit(s) tral system e TOMOBILES AVAILABLE	11 530 513 62 119	9 868 227 55 681	1 655 286 6 397	7 - 41	9 545 664 80 393	3 681 58 28 881	1 239 7 6 865	1 351 7 664	1 418 16 11 788	749 44 11 375	1 107 539 13 789	31
more	26 586 34 444 9 965 3 167	22 065 32 117 9 451 2 143	4 505 2 304 514 1 015	16 23 -	52 255 20 662 3 006 14 679	16 877 11 327 2 003 2 413	4 843 2 131 219 918	5 865 1 678 74 1 398	8 422 2 224 175 2 401	7 345 1 451 259	8 885 1 851 276	18

Table A-7. Household Composition for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

, r	Oata based on	sample, see te	(I. FOF MINIM)	um base for a		e-person hou	dian, etc.) and useholds	meaning or a	y 111 2013, 200 TO	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	One-person h	ouseholds
mi 6346A	-		ale head, wife	present, no n		· T	Other male	head	Female h	nead		
The SMSA	Total	Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over
Owner occupied housing units	74 162	600	8 485	15 958	29 269	5 757	3 173	585	4 354	1 217	3 147	1 617
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more 0.50 or less 0.50 or less 0.51 to 1.00 1.01 to 1.50	73 516 23 962 38 168 8 274 3 112 646 203 248 66 129	595 150 365 35 45 5 -	8 447 1 824 5 292 1 019 312 38 - 23 9	15 876 2 220 10 192 2 653 811 82 - 14 13 55	29 114 8 749 15 609 3 422 1 334 155 23 73 21 38	5 684 3 005 2 137 369 173 73 37 27 5	3 147 1 151 1 424 326 246 26 6 17 -	565 230 293 23 19 20 15	4 283 1 734 2 030 383 136 71 3 37 8 23	1 194 610 504 44 36 23 5 13	3 044 2 878 166 	1 567 1 411 156 - 50 50
UNITS IN STRUCTURE 1	65 889 8 226 47	517 79 4	7 980 505 -	15 1 72 7 75 11	26 482 2 769 18	4 765 992 -	2 869 304 -	513 72 -	3 739 615 -	1 053 164 -	1 771 1 362 14	1 028 589
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more	2 796 1 196 1 308 1 445 1 563 1 918 8 116 19 167 26 477 10 176 \$14 900	16 5 19 11 17 40 74 205 157 56 \$12 900	47 28 25 32 88 106 936 3 156 3 515 552 \$14 700	64 25 33 65 171 236 1 420 4 864 7 197 1 883 \$16 500	190 199 162 251 317 460 2 646 6 968 12 098 5 978 \$17 800	475 328 351 356 306 340 733 1 068 1 109 691 \$10 000	87 25 90 53 58 82 476 868 961 473 \$14 100	29 42 33 32 24 31 121 87 148 38 \$9 500	508 130 252 251 266 278 826 956 636 251 \$8	92 86 62 69 62 72 212 234 260 68 \$9 300	613 161 197 195 177 146 507 655 341 155 \$7	675 167 84 130 77 127 165 106 55 31 \$2 800
VALUE-INCOME RATIO Specified owner occupied* Less than 1.5 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	65 046 8 541 10 646 11 749 9 081 10 745 13 751 533	517 71 79 91 64 95 117	7 905 502 1 266 1 690 1 611 1 867 949 20	15 013 1 575 2 872 3 179 2 748 2 746 1 887 6	26 105 4 890 5 073 5 254 3 405 3 982 3 441 60	4 691 508 474 449 356 627 2 233 44	2 826 466 435 430 321 413 742 19	498 90 34 44 44 63 223	3 699 260 236 363 336 553 1 791 160	1 053 114 101 122 78 131 497 10	1 720 55 71 89 87 217 1 047 154	1 019 10 5 38 31 51 824 60
Renter accupied housing units	90 601	8 594	19 635	13 620	12 716	2 527	6 271	489	10 160	505	13 090	2 994
PLUMBING FACILITIES BY PERSONS PER ROOM With all plambing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	86 390 21 697 45 660 11 555 7 478 4 211 606 2 712 251 642	8 522 1 606 5 369 894 653 72 - 21 - 51	19 469 2 259 11 976 3 326 1 908 166 7 57 39 63	13 458 1 027 7 846 2 960 1 625 162 6 44 40 72	12 276 2 555 6 296 1 872 1 553 440 58 120 96 166	2 369 728 1 231 255 155 158 39 68 22 29	5 982 1 236 3 373 703 670 289 34 121 9	377 112 190 25 50 112 14 41 4 53	9 977 1 982 5 692 1 489 814 183 22 42 41 78	476 158 237 31 50 29 8 16	11 112 8 401 2 711 - 1 978 307 1 671	2 372 1 633 739
UNITS IN STRUCTURE 1	32 750 17 141 25 140 15 532 38	2 025 1 641 3 397 1 522	7 759 4 561 5 137 2 178	6 812 3 169 2 725 904 10	6 554 2 211 2 479 1 472	1 128 342 477 580	2 134 1 054 1 989 1 090 4	163 88 147 91	3 357 1 819 3 051 1 933	23B 41 127 99	2 074 1 942 4 729 4 335 10	506 273 882 1 328 5
GROSS RENT Specified renter occupied? Less than \$50 \$50 to \$59 \$60 to \$69 \$70 to \$79 \$100 to \$79 \$120 to \$119 \$120 to \$149 \$150 to \$199 \$200 to \$299 \$300 or more No cash rent	3 862 3 021 2 762 2 561 6 063 11 624 13 988 18 574 11 439 5 040	2 396 650 144	19 584 158 298 285 364 982 3 186 3 486 4 342 2 608 788 3 087	13 502 149 216 277 270 609 1 742 1 801 2 246 1 867 1 083 3 242	12 604 598 496 441 393 1 088 1 325 1 697 2 243 1 619 1 006 1 698	2 523 344 146 98 92 248 258 275 342 205 147 368	6 252 222 172 159 167 468 661 866 1 586 1 152 537 262	464 64 64 26 39 50 49 57 52 18 45	10 138 130 499 525 347 665 1 351 1 503 2 216 1 642 849 411	505 44 555 3 11 28 41 42 149 48 9	13 064 1 322 597 707 605 1 243 1 523 2 001 2 672 1 315 421 658	2 985 763 271 170 97 250 248 231 330 315 56 254
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied ² Less than \$5,000 Less than 20 percent 20 to 24 percent 35 percent or more Not computed \$5,000 to \$9,999 Less than 20 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed \$10,000 to \$14,999 Less than 20 percent 25 percent or more Not computed \$10,000 to \$14,999 Less than 20 percent 20 to 24 percent 25 percent or more Not computed \$10,000 to \$14,999 Less than 20 percent 20 to 24 percent 20 to 24 percent 25 percent or more Not computed \$15,000 or mare Less than 20 percent 20 to 24 percent 25 percent or more Not computed \$15,000 or mare Less than 20 percent 20 to 24 percent	90 190 24 659 1 544 1 291 2 651 14 900 4 313 32 917 10 659 5 602 6 738 4 914 4 972 19 476 12 596 2 177 2 233 2 474 13 098	2 853 93 315 1 928 464 4 100 1 044 807 1 082 583 1 333 963 1 198 4 47 1 125 2 283 2 242	19 584 1 959 122 123 308 991 415 8 828 2 504 1 646 6 149 4 059 677 795 619 2 648 2 125 175 90	13 502 831 68 75 1000 420 168 5 360 1 659 753 774 635 1 539 4 168 2 241 412 511 1 004 3 143 2 039 314 207 583	12 604 963 78 168 514 125 3 413 1 612 631 467 240 443 3 718 2 556 343 324 495 4 510 3 353 289 191 677	2 523 1 063 150 132 120 466 697 233 122 120 105 117 363 246 43 37 400 310 32 23	102 1 147 772 129 186 60 754 622 42	464 271 44 6 35; 148 38 87 44 24 24 5 5 5 5 5 7 4 4 3 3 1 3 1 3 3 3 3 3 3 3 3 3 3 3 3 4 4 2 4 2 4 2 4	10 138 5 909 135 279 489 3 494 1 512 2 942 715 427 724 946 130 797 486 138 119 54 490 401 266 43	\$05 278 15 25 177 170 51 100 32 27 27 33 4 4 11	600 286 629 3 584 853 4 841 2 077 729 2 1 160 6 693 1 182 1 571 1 1 133 0 1 194 1 182 8 62	

*Limited to one-family homes on less than 10 acres and no business on property. *Excludes one-family homes on 10 acres or more.

Table A-8. Persons in Owner and Renter Occupied Housing Units: 1970

	[Data based on s	ample, see text.	For minimum bo	se for derived fi	jures (percent, n	nedian, etc.) and	meaning of symb	ols, see text]		
The SMSA	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Medion
Owner occupied housing units	74 162	4 764	14 347	13 006	15 147	11 532	7 335	4 552	3 479	3.8
BEDROOMS None and 1 2	3 570 12 319 44 728 13 567	1 581 1 497 1 520 396	1 122 4 627 7 770 954	282 2 320 8 769 1 536	270 1 839 10 214 2 485	209 847 7 815 2 495	58 596 4 842 2 004	48 310 2 179 2 005	283 1 619 1 692	1.7 2.5 3.9 5.1
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	13 236 15 932 22 175 8 555	176 758 1 028 1 184 615 1 003	945 2 378 2 449 3 951 2 031 2 593	919 2 157 2 607 3 826 1 695 1 802	1 104 3 142 3 566 4 489 1 308 1 538	645 2 272 2 792 3 778 1 039 1 006	386 1 307 1 576 2 535 814 717	238 771 1 046 1 359 584 554	156 451 868 1 053 469 482	3.7 3.9 4.0 4.0 3.5 3.2
UNITS IN STRUCTURE 12 or more	65 889 8 226	2 799 1 951	11 299 3 035	11 859 1 133	14 272 875	11 116 410	6 984 351	4 320 232	3 240 239	4.0 2.2
Mobile home or trailer COMPLETE BATHROOMS 1 and 1 1/2 2 and 2 1/2	47 40 048 29 367	3 380	8 116	14 7 224	7 608	6 5 971	3 684	2 228	- 1 837 :	3.7
3 or more Nane or also used by another household HOUSEHOLD COMPOSITION	3 909	1 001 136 189	5 345 649 179	5 123 591 132	6 702 805 66	4 882 625 64	3 054 540 54	1 937 362 66	1 323 201 88	4.0 4.2 2.9
Two-or-more-person households. Male head, wife present, no nonrelatives. Under 25 years. 25 to 34 years. 35 to 44 years. 45 to 64 years. 65 years and over. Other male head. Under 65 years. 65 years and over. Female head. Under 65 years. 65 years ond over. Female head. Under 65 years.	8 485 15 958 29 269 5 757 3 758 3 173 585 5 571 4 354	4 764	14 347 11 371 124 1 025 1 089 6 111 3 022 1 111 917 194 1 865 1 306 559	13 006 10 708 155 1 600 1 759 5 907 1 287 870 709 161 1 428 1 158 270	15 147 13 630 154 2 666 3 934 6 360 575 458 117 942 790 152	11 532 10 411 87 1 606 3 821 4 541 356 474 428 46 647 535 112	7 335 6 817 27 853 2 612 3 074 251 298 285 13 220 173	4 552 4 119 10 473 1 580 1 894 162 184 158 26 249 200 49	3 479 3 013 43 262 1 163 1 382 163 246 218 28 220 192 28	4.0 4.1 3.6 4.8 3.9 2.5 3.4 3.4 3.1 3.1 3.1
VALUE-INCOME RATIO Specified owner occupied' 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	8 541 10 646 11 749 9 081 10 745	2 739 65 76 127 118 268 1 871 214	11 099 914 1 235 1 504 1 326 1 853 4 114 153	11 705 1 305 1 790 2 154 1 699 2 053 2 628 76	14 102 1 632 2 536 2 932 2 330 2 671 1 952 49	10 982 1 561 2 176 2 303 1 645 1 837 1 433 27	6 936 1 345 1 287 1 390 968 1 074 872	4 267 828 866 815 630 597 517	3 216 891 680 524 365 392 364	4.0 4.7 4.4 4.2 4.1 3.9 2.8 1.8
Renter occupied housing units	90 601	16 084	22 677	16 600	14 963	9 500	5 384	3 040	2 353	2.9
None	8 898 21 400 32 963 27 318	5 963 6 492 2 618 592	2 073 8 561 9 209 2 776	589 3 698 8 378 4 160	167 1 519 6 995 6 613	106 612 3 053 5 883	227 1 543 3 558	212 730 2 258	- 89 437 1 478	1.2 2.0 3.1 4.4
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	13 260 17 629 22 442 15 636	605 2 444 3 358 2 802 2 434 4 441	1 364 3 986 4 730 5 218 3 505 3 874	859 2 573 3 382 4 255 2 978 2 553	700 2 077 2 884 4 296 2 764 2 242	460 1 093 1 679 2 840 1 713 1 715	264 528 925 1 635 971 1 061	133 401 409 788 656 653	104 158 262 608 615 606	2.8 2.6 2.7 3.3 3.1 2.6
UNITS IN STRUCTURE 1 2 3 and 4 5 to 9 10 to 19 20 or more Mobile home or trailer	8 101 9 040 12 967 12 173	2 580 979 1 236 2 459 3 152 5 663 15	5 986 1 766 2 184 3 295 4 228 5 207 11	5 977 1 715 1 726 2 550 2 234 2 390 8	6 915 1 649 1 660 1 942 1 411 1 386	4 977 1 054 1 153 1 196 565 551	3 050 493 594 727 297 223	1 771 318 284 437 180 50	1 494 127 203 361 106 62	3.8 3.3 3.1 2.8 2.2 1.9
COMPLETE BATHROOMS 1 and 1 1/2 2 or more None or also used by another household	10 400	13 093 376 2 724	20 504 1 535 668	14 600 1 606 345	12 070 2 481 316	7 280 2 038 188	3 948 1 232 185	2 133 725 108	1 751 487 209	2.8 4.2 1.4
HOUSEHOLD COMPOSITION Twa-er-more-person households Male heard, wife present, no nonrelatives Under 25 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Uther male head Under 65 years 65 years and over 10 years	8 594 19 635 13 620 12 716 2 527 6 760 6 271 489 10 665 10 160		22 677 15 208 4 263 4 246 1 392 3 787 1 520 3 251 2 990 261 4 218 3 898 320	16 600 12 202 2 676 4 738 1 853 2 481 1 701 1 559 142 2 697 2 697 2 610 87	14 963 12 365 1 156 5 110 3 454 2 426 219 810 791 1 788 1 788 1 789	9 500 8 086 320 3 059 2 971 1 597 139 464 445 19 950 930	5 384 4 647 113 1 337 2 025 1 059 113 213 190 23 524 514	3 040 2 590 477 789 1 075 640 39 189 174 15 261 255	2 353 1 994 19 356 850 726 43 132 122 100 227 214 13	3.4 3.6 2.5 3.7 4.5 3.5 2.3 2.6 2.4 2.9 3.0
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied? Less than 10 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed 'Limited to one-family homes on less than	90 190 8 467 12 966 13 153 10 024 11 712 20 398 13 470	16 049 1 150 1 700 1 850 1 531 2 453 5 934 1 431	22 612 1 677 2 998 3 239 2 730 3 150 6 111 2 707	16 531 1 328 2 379 2 529 2 025 2 128 3 534 2 608	14 895 1 489 2 443 2 295 1 499 1 724 2 587 2 858	9 455 1 025 1 593 1 518 1 124 1 050 1 130 2 015	5 334 719 933 823 549 680 583 1 047	3 022 482 518 532 329 308 313 540	2 292 597 402 367 237 219 206 264	2.9 3.6 3.3 3.1 2.9 2.6 2.2 3.5

¹Limited to one-family homes on less than 10 acres and no business on property.

²Excludes one-family homes on 10 acres or more.

Table A – 9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970

	Data basea on	sumple, see to				***************************************	THE OWNER OF THE OWNER, WHEN	-	
The SMSA	Total	Less than 2 months	2 up to 6 months	6 months or more	The SMSA	Total	Less than 2 months	2 up to 6 months	6 months or more
Vacant for sale	1 114	651	292	171	Vacant for rent	4 451	3 756	476	219
ROOMS	1	l	1		ROOMS				
1 to 3 rooms 4 rooms 5 rooms 7 rooms or more PLUMBING FACILITIES	174 207 294 258 181	52 82 215 176 126	74 76 41 63 38	48 49 38 19 17	1 room	561 818 1 115 1 070 599 236 52	454 758 934 889 510 181 30	78 35 117 103 74 47 22	29 25 64 78 15 8
	1 091	634	288	169					
With all plumbing facilities Lacking some or all plumbing facilities	23	17	4	2	PLUMBING FACILITIES				
BEDROOMS					With all plumbing facilities Lacking some or all plumbing facilities	4 286 165	3 648 108	450 26	188 31
None and 1	114 302 509 158	74 77 370 90	13 119 76 50	27 106 63 18	BEDROOMS	594 1 365	456 1 241	107 68	31 56
YEAR STRUCTURE BUILT	1				1	1 527	1 288 743	135 167	104
1969 to Morch 1970 1960 to 1968 1950 to 1959	152	318 154 109 70	144 112 28 8	73 65 15 18	3 or moreYEAR STRUCTURE BUILT	910	743	64	_
UNITS IN STRUCTURE 1 2 or more	681	466 185	137 155	78 93	1949 or earlier	1 738 820 1 050	1 501 719 757	198 74 140	39 27 153
HEATING EQUIPMENT	ŀ	ł		ļ	UNITS IN STRUCTURE				07
Steom or hot water	= = =	- - - - - - 651	- - - - 292	171	1	945 393 392 958 1 763	744 316 263 838 1 595	174 53 79 42 128	27 24 50 78 40
					RENT ASKED				
SALES PRICE ASKED Specified vacent for sale* Less than \$5,000 \$5,000 to \$9,999 \$15,000 to \$14,999 \$15,000 to \$14,999 \$20,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$49,999 \$35,000 or more Median price asked	6 2 10 18 18 134 281	14 14 96 204	28 60 37	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 Less than \$50 \$50 to \$59 \$60 to \$79 4 \$100 to \$19 0 \$120 to \$149 7 \$150 to \$199 5 \$200 or more	374 167 166 217 356 401 878	85 122 176 297 350 773 1 663	55 211	219 44 76 16 12 3 4 50 14 \$59

^{*}Limited to one-family homes on less than 10 acres and no business on property. *Excludes one-family homes on 10 acres or more.

Table A-10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970

[Data based on sample, see text. For meaning of symbols, see text]

Ϋ́	0010 2000		Sales price a	ked - Vacant	for sale1				Rent	asked – V	acont for	rent²		
The SMSA	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	668	8	10	18	18	134	480	4 447	541	166	217	757	878	1 888
PLUMBING FACILITIES With all plumbing facilities Lacking some or all plumbing facilities	556 39	39	= -	17	22 -	161	356 -	4 212 184	392 118	149 38	194	663 16	897 -	1 917
BEDROOMS None and 1	56 53 344 142	21 18 -	=======================================	17	22 -	18 - 126 17	13 218 125	1 959 1 527 781 129	248 171 72 19	56 81 50 -	130 19 31 14	212 272 150 45	451 308 104 34	862 676 374 17
YEAR STRUCTURE BUILT 1969 to March 1970	346 123 126 73	- 2 4 2	- 3 3 4	- - 9 9	14 - - 4	65 11 58 ~	267 107 52 54	843 1 738 820 1 046	184 28 20 309	4 46 12 104	18 46 52 101	16 285 222 234	114 337 265 162	507 996 249 136
1	•••	•••			•••	•••		941 393 1 350 1 763	83 54 294 110	60 15 62 29	70 37 99 11	254 114 283 106	202 67 263 346	272 106 349 1 161
INCLUSION OF UTILITIES IN RENT All utilities included Some or no utilities included		•••						2 513	439 102	107 59	51 166	283 474	276 602	778 1 110

^{*}Limited to one-family homes on less than 10 acres and no business on property. **Excludes one-family homes on 10 acres or more.

Table B-1. Value of Owner Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and mea

	Livera pasea c	in sample, see	text. For min	imum base fo	r derived figu	res (percent,	median, etc.) a	ind meaning o	of symbols, see	e text]		
Honolulu	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	to	to	to) to	to	or	Medion (dollars)
Specified owner occupied:	31 597	67	76	141	204	187	610	1 523	6 283	11 919	A PROPERTY AND A PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE P	43 400
ROOMS 1 and 2 rooms	391 1 247 3 657 10 222 7 911 4 110 4 059 5.5	10 22 19 11 - 5	14 16 22 8 16 - -	15 29 41 37 8 - 11 4.1	27 2 81 45 22 27 - 4.4	322 222 61 30 20 5 17 4.1	57 204 229 79 10	41 106 507 609 195 44 21 4.7	363 1 259 2 892 1 125 328 214	73 445 946 4 543 3 627 1 407 878 5.5	60 185 517 1 818 2 819 2 284	28 900 35 200 32 100 39 100 45 300 50000 +
1 person	1 628 6 081 6 135 6 497 5 002 6 254 3.8 673	5 18 16 3 5 20 	9 15 17 5 30 	44 44 10 10 22 51 4.6	18 58 42 5 5 76 3.1	40 29 7 22 36 53 4.3	123 108 82 99 101 3.3	135 330 242 338 205 273 3.7 29	1 232 1 245	580 2 106 2 346 2 601 1 962 2 324 3.9 241	455 2 126 2 102 2 209 1 672 2 023 3.8 293	40 700 43 500 43 800 44 000 43 700 42 900 47 300
With all plumbing facilities	חד ו	44 4 23 6 11 23 - 15 5	62 15 15 5 27 14 5 6 3	131 21 44 37 29 10 - 4 -	161 50 58 25 28 43 21 10	167 38 78 35 16 20 9	595 204 261 89 41 15 10	1 514 458 705 252 99 4	6 255 1 656 3 264 904 431 28 16 12	11 884 3 746 6 613 1 140 385 35 5	10 567 4 773 5 099 524 171 20 9	43 500 47 200 43 200 37 000 33 500 14 800
BEDROOMS None and 1 2 3 4 or mor	955 5 629 17 654 7 453	20 23 26	45 21 17	67 23 43	22 84 40 66	92 40 62 37	82 381 323 68	65 622 707 97	162 1 792 3 602 666	266 1 587 7 624 2 100	179 1 032 5 206 4 402	33 000 33 900 42 900 50000+
1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	1 402 3 990 4 400 9 757 5 273 6 775	- 6 - 35 26	- 9 11 40 16	15 25 41 60	17 16 11 21 45 94	10 5 5 32 58 77	6 9 29 125 120 321	16 109 467 393 538	89 363 400 2 325 1 405 1 701	480 1 835 1 690 4 010 1 898 2 006	800 1 746 2 126 2 741 1 238 1 936	50000 + 48 000 49 300 42 000 38 900 39 100
l and 1 1/2 2 and 2 1/2 3 or more None or also used by another household	15 350 13 394 2 538 246	36 7 30	56 6 7	126 13 -	116 29 - 57	134 30 - 13	460 63 13	1 288 201 20	4 783 1 365 49	6 115 5 564 301	2 236 6 116 2 155	36 700 48 400 50000 +
HOUSEHOLD COMPOSITION Two-or-more-person households. Male head, wife present, no nonrelatives. Under 25 years. 25 to 34 years. 35 to 44 years. 45 to 64 years. 65 years and over. Other male head Under 65 years and over. Female head. Under 65 years and over. One-person households. Under 65 years. 65 years and over. One-person households. Under 65 years. 65 years and over. INCOME IN 1969	29 969 25 530 94 2 275 5 604 14 418 3 139 1 866 1 511 355 2 573 1 809 764 1 628 974 654	62 44 - 13 27 4 4 4 7 14 9 5 5	67 45 - - 24 16 5 16 17 5 6 6 - 9 4 5	137 128 - 12 17 56 43 9 4 5 - - - - 4 4 4	186 129 22 22 67 18 35 30 5 5 22 17 18	147 105 -7 7 5 77 16 20 20 20 - 22 16 40 40	513 384 5 26 63 236 54 61 42 19 68 40 28 97 37	1 388 1 088 1 08 10 48 157 668 205 85 48 37 215 131 84 135 87	55 998 5 029 28 302 863 3 129 707 362 315 47 607 454 153 285 151 134	52 11 339 9 724 22 1 133 2 199 5 306 1 064 656 547 109 959 666 293 580 364 216	10 132 8 854 29 725 2 241 4 836 1 023 618 490 128 660 470 190 455 272 183	43 600 44 000 44 000 45 200 46 200 43 300 42 800 42 700 43 200 40 200 40 200 41 100 41 100
Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$15,000 to \$24,999 \$25,000 or more Median YEAR MOVED INTO UNIT	1 196 442 501 545 592 731 2 966 6 870 11 764 5 990 \$16 700	- - 4 5 - 9 23 26 -	4 5 - - 5 - 10 31 10 11	11 6 5 4 - 9 20 16 55 15 \$14 800	19 -4 11 5 5 31 41 66 22 \$13 300	25 9 10 15 - 25 47 45 11 \$11 000	87 25 18 17 25 17 54 144 195 28 \$12 200	92 48 32 43 68 61 245 382 401 151 \$12 300	215 94 113 151 133 226 761 1 791 2 232 567 \$14 000	402 138 152 198 195 252 1 198 2 747 5 047 1 590 \$16 300	341 117 177 107 141 161 613 1 648 3 687 3 595 \$20 400	40 400 38 700 42 700 37 500 38 100 37 800 39 100 40 200 40 200 43 500 50000 +
1969 to March 1970	2 902 1 938 1 502 3 438 6 168 10 326 5 254	7 7 13 48 5	5 25 20 13	4 - 16 28 39 52	52 7 - 8 21 65	13 6 - 6 27 76 49	37 	43 24 60 33 246 590 525	227 228 157 443 1 194 2 664 1 339	1 116 747 595 1 507 2 284 4 003 1 780	1 410 920 670 1 375 2 271 2 589 1 285	49 400 49 000 48 000 46 600 44 700 40 400 38 700
Steom or hot water	292 12 186 - 1 391 29 716	67	76	141	7 5 5 187	- - - 5 182	6 - 6 - 9 589	13 18 - 56 1 436	39 5 38 - 88 6 113	137 62 308 11 412	97 57 920 9 513	44 600 41 300 50000+ 43 000
Room unit(s) Central system None 'Limited to one-family homes on less than 10	4 991 150 26 387 acres and no	16 57 business on pre	69 Operty.	133	6 196	177	24 519	156 1 365	730 8 5 514	1 512 55 10 465	2 541 87 7 892	50000+ 50000+ 42 400

Table B-2. Gross Rent of Renter Occupied Housing Units: 1970

	Data based on	sample, see te	ct. ror minin	num base to	r derived tigu	ires (percent,	. Illeulun, erc.	- The meaning	,			~~~~~	
Konolulu	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dallars)
Specified renter occupied ¹	57 592	2 186	1 936	1 840	1 913	4 261	7 223	9 904	13 691	7 610	3 365	4 263	142
ROOMS	Ì		Ì			1		1				25.5	00
room	7 419 11 111 12 946 15 347 6 777 2 768 751 473 3.2	1 180 289 502 162 20 10 17 6	640 151 306 656 176 7 —	708 215 162 256 429 65 - 5 2.5	537 253 272 503 148 176 24 - 3.1	883 991 891 970 341 123 47 15 2.8	787 1 767 1 532 1 711 980 338 102 6 3.2	815 2 776 2 339 3 002 701 209 39 23 3.1	1 074 3 195 3 990 3 537 1 048 193 32 22 3.1	454 970 1 959 2 373 1 133 522 123 76 3.7	86 154 296 1 250 617 570 251 141 4.4	255 350 697 927 1 184 555 116 179 4.4	93 139 152 150 150 196 246 292
PERSONS					.00	1 324	1 471	1 946	2 712	1 435	442	623	119
1 person	13 802 16 076 10 185 8 149 4 583 4 797 2.4 2 399	1 670 348 66 41 28 33 1.2	747 294 362 219 183 131 2.3	812 243 111 160 176 338 1.9	620 378 312 203 116 284 2.4	1 048 572 551 328 438 2.3	1 855 1 393 1 143 727 634 2.7	2 864 2 096 1 610 722 666 2.6 284	4 498 2 519 1 636 850 876 2.4 579	2 579 1 433 1 112 521 530 2.4 640	1 088 599 608 333 295 2.8 371	881 722 866 599 572 3.4 66	156 147 145 138 131
PLUMBING FACILITIES BY PERSONS PER ROOM]]						ì						
With all plumbing facilities	14 213 28 254 7 052 5 042 3 031 348 2 248	1 083 602 377 53 51 1 103 78 928	1 295 241 744 222 88 641 69 506 4 62	1 429 239 746 312 132 411 29 333 3	1 711 312 850 295 254 202 37 114 11 40	4 057 1 019 1 801 619 618 204 28 104 28 44	7 095 1 519 3 755 957 864 128 21 79 -	9 849 2 126 5 375 1 346 1 002 55 6 26 5 18	13 058 3 193 6 906 1 678 1 281 33 4 29	7 580 2 492 3 808 843 437 30 - 25 - 5	3 351 1 417 1 631 231 72 14 9 5	4 053 1 053 2 261 496 243 210 67 99 9	146 158 146 138 132 55 59 53
BEDROOMS						799	749	1 019	1 284	669	116	237	98
Hone	17 884 22 013	1 193 883 158 40	756 234 985 67	805 199 243 662	550 398 702 412	1 564 976 548	2 582 2 125 1 051	3 573 3 690 847	5 242 6 014 1 261	1 851 3 570 1 784	368 1 724 1 260	990 1 826 1 685	142 160 163
YEAR STRUCTURE BUILT			20	_	11 1	61	205	173	678	1 042	536	49	220 177
1969 to March 1970	11 292 12 692 9 910	364 220 177 370 1 050	32 134 302 370 488 610	84 543 340 367 500	45 243 434 532 648	153 385 760 1 211 1 691	476 1 013 2 160 1 698 1 671	1 630 2 224 2 752 1 457 1 668	2 529 3 456 2 908 1 760 1 760	1 751 1 738 1 414 731 934	1 373 582 377 174 323	403 586 1 000 1 122 1 103	156 137 117 111
ELEVATOR IN STRUCTURE							202	1 027	2 262	2 718	1 681	176	191
4 floors or more	- 7 396 2 408	514 493 21 1 760	459 421 38 1 583	533 228 305 1 376	124 20 104 1 938	107 23 84 3 780	203 94 109 6 304	398 629 8 102	1 416 846 11 539	2 483 235 5 156	1 664 17 1 787	156 20 4 562	221 145 138
COMPLETE BATHROOMS		1 250	1 288	1 394	1 664	4 015	6 565	9 859	12 441	6 743	1 448 1 927	3 098 766	142 296
1 and 1 1/2 2 or more None or also used by another household	4 673	22	629	438	12 219	89 289	650 169	242 81	267 124	691 70	20	221	57
INCOME IN 1969						405	817	738	967	670	212	395	110
Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$5,999 \$7,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more	3 005 3 716 3 676 4 215 4 193 11 391 12 321 7 231	290 244 185 119 109 249 131 49	541 272 215 195 151 120 222 143 65 12 \$3 700	413 228 243 154 219 103 289 133 49 9 \$4 200	346 119 160 197 219 145 352 238 122 15 \$5 600	485 384 322 345 353 318 925 762 336 31 \$6 800	298 358 490 594 792 1 667 1 532 582 93	358 606 601 639 793 2 371 2 526 1 118 154 \$8 500	489 810 764 977 922 2 716 3 389 1 854 203 \$8 800	316 420 430 449 440 1 337 1 792 1 466 290 \$9 400	103 163 124 179 133 361 586 964 540 \$13 500	148 175 191 316 318 902 1 089 626 103 \$9 000	109 131 129 134 133 139 152 176 253
YEAR MOVED INTO UNIT					641	1 236	2 646	4 260	6 514	4 716	2 671	1 357	163
1969 to March 1970	- 8 11 5 280 6 923 - 7 033 - 3 44	367 3 113 5 273 2 513 5 203	655 196 142 392 294 161 77	481 150 238 357 416 152 45	541 236 153 312 426 162 65	429 479 632 875 534 208	1 156 852 894 1 134 562	1 359 1 034 1 511 1 333 574	1 891 1 249 1 606 1 112 390 70	1 110 517 583 422 138 18	418 167 50 62 27	799 344 315 445 542 283	145 134 129 114 109 91
GROSS RENT AS PERCENTAGE OF INCOME						ļ							0,4
Less than 10 percent	9 11 9 06 89 7 73 14 34	0 330 1 194 0 222 5 239 3 495	452 328 244 188 199 461 64	356 350 239 215 202 420 58	148 374	426 435 834	1 680 1 399 1 006 823 1 159	2 070 1 369 1 335 1 989	2 460 1 856 2 205 3 916	172 607 1 110 992 1 410 3 214 105	85 179 352 444 739 1 481 85	4 263	127 141 147 161 168 118
AIR CONDITIONING Room unit(s) Central system	5 25 63	0 - 1	28 - 1 889	27 1 812		. [3 28	31	101	140	707 287 2 401		7 290

*Excludes one-family homes on 10 acres or more.

Table B-3. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970

	[Data based	on sample, see	text. For min	imum base fo	r derived figu	res (percent, ı	median, etc.) a	nd meaning of	f symbols, see	text1	•	
Honolulu	Tota	Less than	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to	\$7,000 to	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median
Gwner occupied housing units	39 560	1 692	690	769	816	837	1 022	3 910	8 629	13 990	7 205	76 000
1 and 2 rooms	2 456 6 649 11 592	222 443 418	105 79 220 168 75	57 80 186 260 100	87 114 182 240	104 64 222 259	85 116 252 343	258 381 840 1 304	327 598 1 619 2 914	250 612 1 892 4 164	73 190 793 1 522	8 900 11 400 13 000
PERSONS 1 person 2 2 persons 2	8 671 3 440	227 865	200	190	106 87 238	91 97 168	129 97 208	653 474 487	1 837 1 334	3 797 3 275	1 676 2 951	14 800 18 000 20 800
5 ond 4 persons	14 634 5 411 6 986 967	242	327 115 27 21 28	354 164 26 35 40	365 158 30 25 47	348 219 48 54 27	373 289 53 99 39	1 301 1 293 413 416 119	600 1 792 3 558 1 231 1 448 218	313 2 421 5 981 2 327 2 948 232	171 1 291 2 615 1 218 1 910	6 300 12 700 17 100 18 600 19 600
Less than 3 3 4 or more	19 322 8 068		483 201 35	296 343 81	356 286 72	342 261 36	472 455 125	2 017 1 643 384	2 927 4 354 1 279	2 957 7 763 3 013	1 425 3 366 2 809	12 100 16 900 20 900
1969 to Morch 1970 1960 to 1968 1950 to 1959 1949 or earlier. YEAR MOVED INTO UNIT	2 108 12 324 11 184 13 944	31 382 304 975	5 158 172 355	41 182 189 357	10 170 225 411	4 229 187 417	33 283 252 454	146 971 1 180 1 613	558 2 519 2 452 3 100	960 4 811 4 095 4 124	320 2 619 2 128 2 138	17 400 17 600 16 500
1969 to March 1970	4 773 2 993 14 222 17 565	173 52 403 1 078	49 21 171 428	141 37 204 399	88 52 244 472	61 67 263 497	104 64 345 520	408 273 1 164 1 966	1 196 614 3 082 3 777	1 802 1 252 5 371 5 646	751 561 2 975 2 782	13 900 15 900 17 500 17 300 14 500
Automatic clothes washing machine Clothes dryer Dishwasher Home food freezer Owned second home With air conditioning Room unit(s) Central system Automabiles avoilable:	34 880 16 130 12 626 9 288 2 532 7 021 6 576 445	1 324 466 383 287 65 176 176	429 60 57 78 38 60 60	530 200 176 212 47 125 101	599 123 87 122 42 133 127	488 230 142 19 60 77	792 276 254 180 47 125	3 213 1 086 788 668 259 483 464	7 569 2 824 2 047 1 625 180 1 165 1 104	12 820 6 370 4 551 3 311 751 2 496 2 336	7 116 4 495 4 141 2 786 1 043 2 181 2 033	16 900 19 400 20 200 19 400 22 000 19 700
1	15 399 16 658 5 147	827 221 32	319 98	518 108 6	463 168 21	538 177 4	637 231 39	2 180 1 066 245	4 162 3 629 642	160 4 503 7 324 2 047	1 252 3 636 2 111	19 600 20 300 12 700 18 600
Renter occupied housing units	57 668	6 392	3 010	3 720	3 676	4 215	4 193	11 414	12 356	7 236	1 456	22 700 8 000
1 room. 2 rooms. 3 rooms. 4 rooms. 5 rooms. 6 rooms or more.	7 419 11 111 12 951 15 377 6 812 3 998	1 616 1 344 1 472 1 156 513 291	713 696 730 629 163 79	774 836 889 793 313 115	729 835 819 865 303 105	674 855 963 978 480 265	582 827 993 986 457 348	1 314 2 395 2 492 3 082 1 495 636	745 2 330 2 824 3 908 1 660 889	211 878 1 577 2 425 1 225 920	61 115 192 535 203 350	4 800 7 200 7 700 9 200 9 400 10 900
1 person	13 802 16 088 18 363 4 600 4 815 2 399	3 168 1 529 1 325 170 200 450	1 129 914 790 75 102 276	1 440 1 097 807 174 202 262	1 185 1 050 1 070 151 220 212	1 154 1 271 1 238 275 277 236	1 104 1 260 1 183 367 279	2 453 3 178 3 728 1 046 1 009	1 463 3 305 4 993 1 299 1 296	547 2 052 2 796 855 986	159 432 433 188 244 30	5 000 7 900 9 200 10 200 10 500 5 000
None	8 177 17 904 22 033 9 636	2 045 2 191 1 898 870	660 1 103 644 126	721 1 308 1 015 531	655 1 136 1 075 264	627 1 469 1 502 777	567 1 470 1 519 465	1 571 3 702 4 416 1 787	983 3 726 5 764 2 266	240 1 646 3 467 2 029	108 153 733 521	5 000 7 200 9 300 10 000
1969 to March 1970 1960 to 1968 1950 to 1959 1949 or eorlier	2 798 20 262 12 703 21 905	292 2 104 1 215 2 781	116 994 546 1 354	169 1 341 770 1 440	209 1 130 824 1 513	230 1 423 926 1 636	246 1 422 998 1 527	488 4 000 2 738 4 188	517 4 516 3 006 4 317	445 2 711 1 411 2 669	86 621 269 480	7 800 8 300 8 200 7 500
1969 10 March 1970	25 722 8 124 19 249 4 580	3 065 709 1 870 534	1 532 426 978 244	2 084 453 965 246	2 047 524 1 067 185	2 137 497 1 244 229	2 091 658 1 254 254	4 919 1 699 4 119 701	4 581 1 995 4 488 1 204	2 624 944 2 851 802	642 219 413 181	7 000 8 400 8 600 9 600
specified ranter occupied: ess than 15 percent 5 to 19 percent 0 to 24 percent 5 to 34 percent 5 percent of computed	57 592 14 108 9 061 6 890 7 735 14 343 5 455	6 388 5 71 200 4 525 1 587	3 005 25 59 240 433 2 100 148	3 716 114 246 338 461 2 382 175	3 676 252 331 333 780 1 789	4 215 397 423 526 1 100 1 453	4 193 396 530 948 1 153 848	11 391 2 154 2 828 2 350 2 209 948	12 321 5 126 3 419 1 439 976 272	7 231 4 567 1 040 590 388 20	1 456 1 077 180 55 35	7 900 13 600 10 200 8 300 6 800 3 200
PLECTED CHARACTERISTICS under the control of the subshing machine other dryer shwosher me food freezer whed second home this oir conditioning Room unit(s) Central system to combine the combine so waitable to mobile so waitable to combine so waitable to the combin	26 756 9 198 4 928 4 592 1 823 5 884 5 254 630	2 132 974 407 179 232 380 356 24	680 247 143 80 65 121 108	1 064 237 157 99 136 215 167	1 032 251 75 59 18 215 172	316 1 721 709 252 312 59 255 244	318 1 664 664 252 393 84 377 352	902 5 562 1 813 932 1 078 371 1 216 1 113	7 242 2 057 1 123 1 302 369 1 660 1 557	4 678 1 717 1 178 888 337 1 052	981 529 409 202 152 393 279	9 700 9 500 11 100 10 400 9 600 10 500 10 400
3 or more	33 389 10 094 1 644	2 380 453 103	1 243 189 80	1 856 365 49	2 058 293 81	2 677 345 77	25 2 941 472 51	103 8 024 1 566 238	7 858 3 147 344	3 745 2 668 453	607 596 168	8 300 12 200 12 100

Table B-4. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units: 1970

	ata basea on si	ompie, see lexi.		olumbing faciliti		.,	c.) and meaning o		or all plumbing f	acilities	
Honolulu	-		0.50 or	0.51 to	1.01 to	1.51 or		0.50 or	0.51 to	1.01 to	1.51 or
-	Total	Total	less	1.00	1.50	more	Total	less	1.00	1.50	more
Owner occupied housing units	39 560	39 223	14 933	19 162	3 579	1 549	337	113	140	29	55
PERSONS 1 person 2 persons 3 persons 5 persons 6 persons 6 persons or more Medion Units with roomers, boorders, or lodgers	3 440 9 089 7 279 7 355 5 411 6 986 3.5	3 334 8 995 7 227 7 344 5 396 6 927 3.5	3 125 7 784 2 935 766 323 - 2.1 217	209 1 148 4 209 6 200 4 362 3 034 4.1	69 313 516 2 681 6.3	63 14 65 195 1 212 7.5 73	106 94 52 11 15 59 2.2	67 46 - - - 1.3 6	39 36 42 6 8 9 2.4	- 5 5 5 19 	12 5 7 31
YEAR STRUCTURE BUILT 1949 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	2 128 6 139 5 978 11 308 6 081 7 919	2 120 6 119 5 956 11 253 5 998 7 772	924 2 428 2 255 3 695 2 230 3 400	1 090 3 166 3 005 5 815 2 767 3 263	106 352 479 1 220 683 744	173 217 523 318 365	8 20 22 55 83 147	7 7 7 12 23 63	8 6 15 34 34 47	- - 9 13 7	7 - 13 30
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$5,000 to \$5,999 \$5,000 to \$6,999 \$7,000 ta \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 ar more Median	1 692 690 769 816 837 1 022 3 910 8 629 13 990 7 205 \$16 000	1 639 658 760 790 817 1 006 3 869 8 544 13 752 7 188 \$16 100	1 276 440 509 533 510 556 1 769 2 849 3 954 2 537 \$13 300	349 179 211 225 253 325 1 629 4 376 7 949 3 666 \$17 600	14 33 20 20 43 69 345 894 1 394 747 \$17 500	-6 20 12 11 56 126 425 655 238 \$16 800	53 32 9 26 20 16 41 85 38 17 \$7 900	28 21 9 11 14 - 5 19 - 6 \$3 800	13 11 15 6 6 6 25 33 26 5 \$9 300	- - - - 10 5 7 7	12
VALUE-INCOME RATIO Specified owner occupied' Less than 1.5 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	31 597 4 294 4 771 5 313 4 063 5 213 7 687 256	31 380 4 220 4 761 5 296 4 027 5 204 7 622 250	10 965 1 010 1 101 1 415 1 201 1 784 4 242 212	16 160 2 194 2 862 3 166 2 298 2 814 2 788 38	3 017 682 569 533 404 422 407	1 238 334 229 182 124 184 185	217 74 10 17 36 9 65	79 16 4 - 10 - 49	80 35 6 10 21 4	25 8 -7 5 5	33 15 - - - 12 6
HEATING EQUIPMENT Sleam or hot water Warm-oir funace Built-in electric units Floor, wall, or pipeless furnace Other means None	350 12 263 11 1 485 37 439	350 12 263 11 1 468 37 119	99 7 57 - 801 13 969	180 5 148 11 593 18 225	46 30 54 3 449	25 28 20 1 476	- - - 17 320	 - - - 5 108	- - - 7 133	- - - 5 24	55
Renter occupied housing units	57 668	54 633	14 225	28 286	7 075	5 047	3 035	348	2 252	60	375
PERSONS 1 person 2 persons 3 persons 5 persons 6 persons 6 persons or more Medion Units with roomers, boarders, or ladgers	13 802 16 088 10 205 8 158 4 600 4 815 2.4 2 399	11 531 15 687 10 084 8 072 4 540 4 719 2.5	8 236 5 367 515 72 35 - 1.4 367	3 295 9 005 7 573 5 690 2 015 708 2.7	1 633 1 471 1 505 2 466 4.8 283	1 315 363 839 985 1 545 4.5	2 271 401 121 86 60 96 1.2	281 59 8 - - 1.1	1 990 127 59 35 36 5 1.1	27 17 5 11 	215 27 34 19 80 2.4
YEAR STRUCTURE BUILT 1949 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	2 764 8 895 11 180 12 822 10 000 12 014	2 717 8 811 10 888 12 608 9 646 10 102	765 2 520 2 851 3 020 2 163 2 878	1 541 4 880 5 548 6 673 5 084 4 818	276 858 1 382 1 724 1 418 1 372	135 553 1 107 1 191 981 1 034	47 84 292 214 354 1 912	12 6 25 42 234	47 53 245 164 258 1 396	- 6 5 16 36	19 35 20 38 246
INCOME IN 1969 Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$7,000 to \$5,999 \$10,000 to \$14,999 \$15,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Median	6 392 3 010 3 720 3 676 4 215 4 193 11 414 12 356 7 236 1 456 \$8 000	5 430 2 671 3 459 3 397 3 998 3 967 10 913 12 169 7 185 1 444 \$8 200	2 293 763 1 154 873 1 099 1 092 2 651 2 302 1 617 471 \$6 900	2 386 1 404 1 655 1 878 2 240 2 179 5 658 6 573 3 621 692 \$8 300	378 239 364 361 434 363 1 470 1 994 1 329 143 \$9 900	373 265 286 285 315 333 1 134 1 300 618 138 \$8 800	962 339 261 279 217 226 501 187 51 12 \$3 800	101 43 28 36 33 30 54 18 5 5 \$4	785 255 207 197 161 173 333 115 26 - \$3 400	14 - - 15 - - 23 8 - -	62 41 26 31 23 23 91 46 25 7 \$6 200
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied? Less than 10 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	57 592 4 998 9 110 9 061 6 890 7 735 14 343	54 561 4 333 8 612 8 784 6 631 7 500 13 549 5 152	14 213 680 1 507 1 917 1 669 2 310 4 680 1 450	28 254 2 106 4 439 4 629 3 534 3 965 6 815 2 766	7 052 944 1 590 1 370 791 693 1 074 590	5 042 603 1 076 868 637 532 980 346	3 031 665 498 277 259 235 794 303	348 51 62 46 11 28 71 79	2 248 478 377 182 227 154 659 171	60 13 18 6 - - 9	375 123 41 43 21 53 55 39
HEATING EQUIPMENT Steam or hot water Warm-air furnace Built-in electric units Floor, wall, or pipeless furnace Other means None	271 5 545 5 572	5 566	53 - 136 - 170 13 866	103 5 315 5 281 27 577	53 72 70 6 880	52 - 22 - 45 4 928	10 - - 6 3 019	348	5 - - 6 2 241	- - - - - 60	5 - - - 370

Limited to one-family homes on less than 10 acres and no business on property.

²Excludes one-family homes on 10 acres or more.

Table B-5. Rooms in Owner and Renter Occupied Housing Units: 1970

	[Data based on	sample, see text.	For minimum be	ase for derived f	igures (percent,	median, etc.) and	meaning of sym	bols, see text]		
Honolulu	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units Units with 1 or more bathrooms and complete kitchen facilities for exclusive	39 560	359	1 129	2 456	6 649	11 592	8 704	4 371	4 300	5.3
use, and direct access PERSONS	39 055	290	996	2 377	6 543	11 695	8 672	4 328	4 154	5.3
1 person	3 440 9 089 7 279 7 355 5 411 6 986 3.5	24B 75 19 5 12 -	539 393 74 60 15 48 1.6	497 791 410 318 175 265 2.4	927 2 454 1 271 883 516 598 2.5	2 521 2 570 2 331 1 731 1 752	333 1 646 1 628 1 994 1 308 1 795 3.9	84 749 713 998 799 1 028 4.1	125 460 594 766 855 1 500 4.7	4.0 4.8 5.2 5.5 5.7 6.0
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more 1.51 or more 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	39 223 14 933 19 162 3 579 1 549 337 113 140 29	303 209 94 56 39	1 055 506 363 69 117 74 33 30 5	2 394 487 1 172 313 422 62 10 29 5	6 591 3 350 2 135 784 322 58 31 19 -	6 618 1 340 387 61 22	8 696 3 599 4 099 847 151 8 8	4 366 1 546 2 666 115 39 5	4 287 2 259 1 900 1111 17 13 9 4	5.3 5.5 5.4 5.0 3.9 3.1 3.9 2.5
BEDROOMS None and 1	2 789 9 315 19 322 8 068	430 - - -	1 104	1 002 1 450 —	162 5 737 785 -	65 1 434 9 242 427	475 6 353 1 723	160 1 931 2 272	26 59 1 011 3 646	2.4 4.1 5.5 7.3
YEAR STRUCTURE BUILT 1969 to Morch 1970 1960 to 1968 1950 to 1959 1949 or earlier. COMPLETE BATHROOMS	2 108 12 324 11 184 13 944	5 203 73 78	7 395 385 342	75 1 010 602 769	470 2 071 1 228 2 880	426 2 758 3 792 4 616	574 3 120 2 668 2 342	329 1 461 1 257 1 324	222 1 306 1 179 1 593	5.6 5.4 5.4 5.1
1 and 1 1/2 2 or more None or also used by another household	20 152 19 015 386	278 20 54	971 73 91	1 994 389 73	4 460 2 098 70	7 652 4 048 86	3 352 5 343 6	914 3 414 6	531 3 630	4.8 6.0 3.2
Specified owner occupied* Less than 1.5 1.5 to 1.9 2.0 to 2.9 3.0 or more Not computed	31 597 4 294 4 771 9 376 12 900 256	95 31 10 10 38 6	296 31 27 80 158	1 247 175 153 268 635 16	3 657 567 499 855 1 702 34	10 222 1 263 1 502 3 114 4 264 79	7 911 1 020 1 276 2 462 3 098 55	4 110 547 648 1 379 1 499 37	4 059 660 656 1 208 1 506 29	5.5 5.6 5.7 5.6 5.4 5.4
Renter occupied housing units Units with 1 or more bathrooms and	57 668	7 419	11 111	12 951	15 377	6 812	2 768	757	473	3.3
camplete kitchen facilities for exclusive use, and direct access	53 045	4 270	10 642	12 528	14 861	6 667	2 864	709	504	3.4
1 person 2 persons 3 persons 4 persons 5 persons 6 persons or more Median PLUMBING FACILITIES BY PERSONS PER ROOM	13 802 16 088 10 205 8 158 4 600 4 815 2.4	5 285 1 530 390 118 55 41 1.2	3 798 4 409 1 660 755 306 183 1.9	3 107 4 723 2 414 1 488 643 576 2.2	1 347 4 135 3 953 3 177 1 510 1 255 3.1	172 874 1 265 1 784 1 354 1 363 4.1	65 281 421 627 499 875 4.5	9 96 71 137 138 306 5.0	19 40 31 72 95 216 5.3	1.9 2.9 3.7 4.0 4.4 4.8
With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking some or all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more BEDROOMS	54 633 14 225 28 286 7 075 5 047 3 035 348 2 252 60 375	5 156 3 295 1 861 2 263 1 990 273	10 811 3 646 4 344 1 633 1 188 300 152 65 27 56	12 745 3 024 7 050 1 471 1 200 206 83 87 17	15 233 5 411 7 082 2 248 492 144 71 48 16	6 718 1 012 4 355 1 139 212 94 34 48 -	2 759 763 1 453 475 68 9 4 5 5	738 172 440 100 26 19 4 9 -	473 197 267 9 	3.4 3.6 3.7 2.1 1.2 2.8 1.1
None	8 177 17 904 22 033 9 636	7 379 - - - -	670 10 072 - -	128 7 059 5 648 -	669 14 492 1 086	82 1 571 4 994	- 244 2 414	- 78 775	22 367	1.1 2.4 3.9 5.2
1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier COMPLETE BATHROOMS	2 798 20 262 12 703 21 905	250 2 506 977 3 686	560 4 628 2 667 3 256	648 5 412 2 833 4 058	861 5 386 3 204 5 926	300 1 482 2 061 2 969	140 600 686 1 342	27 194 185 351	12 54 90 317	3.4 3.1 3.5 3.5
1 and 1 1/2 2 or mare None or also used by another household GROSS RENT AS PERCENTAGE OF INCOME	49 637 4 681 3 357	5 132 2 354	10 713 89 366	12 395 272 256	13 864 1 058 252	5 452 1 258 89	1 771 1 101 12	222 487 28	88 416 -	3.2 5.2 1.2
Specified renter occupied? Less than 10 percent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent ar more Not computed	57 592 4 998 9 110 9 061 6 890 7 735 14 343 5 455	7 419 844 1 064 878 714 945 2 523 451	11 111 704 1 797 1 792 1 291 1 648 3 304 575	12 946 976 2 024 1 982 1 593 1 876 3 575 920	15 347 1 608 2 670 2 773 1 948 1 957 3 223 1 168	6 777 540 1 085 1 065 880 824 1 001 1 382	2 768 230 326 413 341 313 507 638	751 59 93 115 101 116 132 135	473 37 51 43 22 56 78 186	3.3 3.5 3.3 3.4 3.2 2.9 4.2

Limited to one-family homes on less than 10 acres and no business on property.

²Excludes one-family homes on 10 acres or more.

Table B-6. Units in Structure for Owner and Renter Occupied Housing Units: 1970

ו		Owner occ			derived rigores			Renter occ	upied		ganiganing og sid Presidenten Straniferenti.	
Honolulu	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mobile home or traller
All occupied housing units	39 560	32 063	7 465	32	57 668	13 563	4 522	6 012	9 251	10 321	13 965	34
ROOMS												
room	359 1 129 2 456 6 649 11 592 8 704 4 371 4 300 5.3	95 311 1 280 3 719 10 355 8 049 4 153 4 101 5.5	245 811 1 176 2 930 1 231 655 218 199 4.0	19 7 - 6 - -	7 419 11 111 12 951 15 377 6 812 2 768 757 473 3.3	407 828 1 686 4 424 3 591 1 716 532 379 4.4	247 562 1 035 1 517 832 236 52 41 3.8	473 1 056 1 492 1 735 871 285 61 39 3.5	1 163 2 548 2 403 1 902 773 392 61 9	1 739 3 451 2 787 2 038 262 39 - 5 2.5	3 377 2 661 3 538 3 755 483 100 51 - 2.8	13 5 10 6 - - -
PLUMBING FACILITIES BY PERSONS PER ROOM				l								
With all plumbing facilities 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more 1.51 or more	39 223 14 933 19 162 3 579 1 549 337 113 140 29 55	31 840 11 202 16 324 3 056 1 258 223 79 80 25 39	7 377 3 731 2 832 523 291 88 34 39 4	6 - 6 - 26 - 21 - 5	54 633 14 225 28 286 7 075 5 047 3 035 348 2 252 60 375	13 339 3 396 7 047 1 905 991 224 69 112 	4 409 1 162 2 299 573 375 113 23 59 15	5 780 1 386 2 970 794 630 232 48 114 19 51	8 631 1 860 4 090 1 614 1 067 620 86 444 13	9 488 2 203 4 944 1 324 1 017 833 69 652 9	72 960 4 197 6 936 865 962 1 005 53 871 4	26 21 - 5 8 - 8
BEDROOMS			***		0 177	503	224	511	1 352	1 905	3 665	17
None	520 2 269 9 315 19 322 8 068	174 801 5 748 17 880 7 513	323 1 468 3 567 1 442 555	23 - - - -	8 177 17 904 22 033 7 941 1 695	1 796 6 163 4 565 951	1 045 1 890 963 95	2 085 2 626 672 231	3 240 2 964 877 397	4 926 3 289 386	4 790 5 101 459 21	19
YEAR STRUCTURE BUILT	ļ			_		07.4	٠,	07	212	651	1 303	4
1969 ta March 1970	6 106 11 184 6 055	1 455 4 095 4 491 9 852 5 308 6 862	646 2 123 1 615 1 318 747 1 016	7 - 14 - 11	2 798 8 959 11 303 12 703 9 910 11 995	374 894 1 264 3 366 3 315 4 350	56 202 460 1 074 1 087 1 643	97 452 864 1 498 1 831 1 270	313 847 1 873 2 875 1 829 1 514	1 896 2 554 2 223 1 018 1 979	4 664 4 278 1 662 825 1 233	4 10 5 5
INCOME IN 1969											1 070	
Less than \$2,000 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$7,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,979 \$15,000 to \$24,999 \$25,000 or more Median	690 769 816 837 1 022 3 910 8 629 13 990 7 205	1 218 442 513 551 604 742 3 026 6 968 11 897 6 102 \$16 700	467 241 256 265 233 280 877 1 656 2 087 1 103 \$13 400	77 75 6	6 392 3 010 3 720 3 676 4 215 4 193 11 414 12 356 7 236 1 456 \$8 000	1 052 452 516 526 695 965 2 752 3 560 2 489 556 \$9 800	471 167 151 263 331 339 856 1 143 697 104 \$8 900	695 252 362 430 476 428 1 384 1 268 644 73 \$7 800	940 582 667 690 757 725 1 974 1 906 875 135 \$7 400	1 264 687 881 822 828 799 1 920 2 084 943 93 \$6 800	1 970 866 1 138 945 1 123 932 2 519 2 389 1 588 495 \$7 000	4 5 5 5 9 6 -
YEAR MOVED INTO UNIT										5 000	7 010	25
1969 ta March 1970	2 993 2 242 4 375 7 605 10 687	3 002 1 975 1 513 3 517 6 244 9 767 5 982	1 754 1 018 729 858 1 355 912 896	17 - - 6 8	25 722 8 124 5 296 6 936 7 017 3 356 1 224	4 991 1 817 1 303 1 597 1 851 1 323 596	1 627 631 412 655 678 410 185	2 409 932 550 810 776 385 112	3 670 1 266 886 1 547 1 316 594 136	5 090 1 489 988 995 1 228 389 120	7 910 1 989 1 157 1 332 1 168 255 75	25
GROSS RENT					57 500	13 487	4 522	6 012	9 251	10 321	13 965	31
\$pacified renter occupied* Less than \$50 \$50 to \$59 \$60 to \$69 \$70 to \$79 \$80 to \$99 \$100 to \$119 \$120 to \$149 \$150 to \$199 \$200 to \$299 \$200 or \$299 \$300 ar more No cash rent					57 592 2 186 1 936 1 840 1 913 4 261 7 223 9 904 13 091 7 610 3 365 4 263 \$142	151 150 115 355 920 2 173 2 166 2 468 3 916 1 279 1 794 \$147	51 80 142 184 639 697 743 799 532 90 565 \$127	216 305 180 298 715 1 078 930 914 267 257 852 \$116	440 414 363 536 1 043 1 348 2 035 1 945 540 76 511 \$123	466 385 316 230 534 1 227 2 285 3 227 1 309 82 260 \$145	862 602 724 310 410 700 1 740 3 723 3 040 1 581 273 \$170	5 15 6 8
HEATING EQUIPMENT								51	30	28	17	_
Steam or hot water	263 11 1 485	297 12 191 1 407 30 156	53 72 11 65 7 264	- - - 13	271 5 545 5 572 56 270	112 59 278 13 114	33 33 5 46 4 405	5 49 - 33 5 874	156 - 88 8 977	183 86 10 024	65 41 13 842	34
AIR CONDITIONING Room unit(s) Central system	- 445	5 062 159 26 779	1 514 286 5 722	- 31	5 254 630 51 791	1 501 38 11 939	444 4 154	847 - 5 127	829 9 8 577	600 44 9 655	1 033 539 12 314	- 25
AUTOMOBILES AVAILABLE 1 2 3 or more	15 399 16 658 5 147	11 216 14 614 4 730 1 440	4 167 2 038 417 900	16 6 9	10 094	7 402 3 954 839 1 283	2 702 1 016 159 721	3 716 992 55 1 211	5 752 1 346 155 2 162	6 083 1 196 187 2 833	7 716 1 590 249 4 331	18 - - 7

Excludes one-family homes on 10 acres or more.

Table B-7. Household Composition for Owner and Renter Occupied Housing Units: 1970

	Luata basea of	1 sample, see t	ext. For minir	num base for		s (percent, m ore-person ho	edian, etc.) and	meaning of	symbols, see te	ext]		
Honolulu			Male head, wit	e present, no		ore-person no	Other ma	e head	Female	hend	One-person i	nouseholds
MONOTOR	Total	Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over
Owner occupied housing units	39 560	166	2 747	6 353	17 209	4 098	1 796	427	2 410	914	2 324	
PLUMBING FACILITIES BY PERSONS PER ROOM										,,,	2 324	1 116
With all plumbing facilities 0.50 or less 0.51 to 1.00	39 223 14 933 19 162	1 61 65 79	2 731 751 1 624	6 312 1 114 3 973	17 121 5 393 9 158	4 073 2 097 1 609	1 786 703 795	417 176	2 392 1 059	896 450	2 252 2 096	1 082 1 029
1.01 to 1.50 1.51 or more	3 579 1 549	, 9 8	242 114	891 334	1 837 733	244 123	136 152	222 10 9	1 102 176 55	391 34 21	156	53
Lacking some or all plumbing facilities	337 113	5 -	16	41	88 17	25 5	10 6	10 10	18 3	18 5	72 33	34 34
0.51 to 1.00 1.01 to 1.50 1.51 or more	140 29 55	5	5 5 6	10 8 23	43 11 17	20	4 -	-	6 - 9	13	39	-
UNITS IN STRUCTURE	32 063	94								-	-	-
2 or more	7 465 32	72	2 316 431 —	5 665 677 11	14 653 2 549 7	3 163 935 -	1 538 258 ~	360 67 -	1 836 574	764 150	1 011 1 299 14	663 453
INCOME IN 1969 Less than \$2,000	1 692	_	25	5	129	309	20	25				
\$2,000 to \$2,999 \$3,000 to \$3,999	690 769	5 8	12 10	9 22	105 87	222 237	38 9 55	25 24 18	221 42 105	75 62 37	408 105 136	457 95 54 85
\$4,000 to \$4,999 \$5,000 to \$5,999	816 837	11	4 27	11 49	115 146	245 224	19 37	22 18	113 134	38 34	153 126	85 42
\$6,000 to \$6,999 \$7,000 to \$9,999 \$10,000 to \$14,999	1 022 3 910 8 629	14 24 49	40 188 879	85 446 1 469	224 1 331 3 632	199 478 707	44 220 473	14	132 472	62 164	93 365	115 122
\$15,000 to \$24,999 \$25,000 or more	13 990 7 205	36 19	1 257 305	3 052 1 205	7 160 4 280	883 594	564 337	65 108 33	569 415 207	186 202 54	519 273 146	81 40
Median	\$16 000	\$12 100	\$16 500	\$18 500	\$19 000	\$11 000	\$15 100	\$9 800	\$9 900	\$9 700	\$8 200	\$3 100
Specified owner accupied Less than 1.5	31 597 4 294	94 14	2 275 153	5 604 596	14 418	3 139	1 511	355	1 809	764	974	654
1.5 to 1.9 2.0 to 2.4	4 771 5 313	15	326 449	958 1 114	2 570 2 684 2 883	367 307 333	243 253 185	69 24 34	169 118 170	83 62	30 34	5
2.5 to 2.9 3.0 to 3.9	4 063 5 213	13 20	432 547	988 1 129	1 885 2 262	251 388	148 253	26 37	190 316	83 57 97	34 47 116	13 26 48
4.0 or more	7 687 256	32	359 9	819 -	2 090 44	1 463 30	429	165	791 55	372 10	644 69	523 39
Renter occupied housing units	57 668	4 451	10 246	6 795	8 077	1 859	4 627	345	7 105	361	11 191	2 611
PLUMBING FACILITIES BY PERSONS PER ROOM With all plumbing facilities 0.50 or less	54 633	4 422	10 184	6 730	7 918	1 785	4 432	278	7 008	345	9 446	2 085
0.50 or less 0.51 to 1.00 1.01 to 1.50	14 225 28 286 7 075	407 3 038 514	1 045 6 063 1 906	439 3 571	1 426 4 265	1 006	814 2 598	76 148	1 179 4 121	108 181	6 847 2 599	1 389
1.51 or more	5 047 3 035	463 29	1 170 62	1 689 1 031 65	1 260 967 159	159 125 74	471 549 195	14 40 67	1 042 666 97	20 36 16		-
0.50 or less 0.51 to 1.00 1.01 to 1.50	348 2 252	10	_ 25	20	21 55	39	20 57	4	13 29	11	1 745 212 1 533	526 69 457
1.51 or more	60 375	19	5 32	11 34	19 64	18	114	43	9 46	5		-
UNITS IN STRUCTURE	13 563	512	2 671	2 700	3 024	564	1 085	42) 550	,,,		
2 to 4 5 to 19 20 or mare	10 534 19 572	681 2 031	2 249 3 580	1 603 1 762	1 586 2 079	564 300 424	777 1 749	43 74 137	1 550 1 334 2 524	106 35 127	1 053 1 650 4 354	255 245 805
Mobile home or trailer	13 965 34	1 218	1 746	724 6	1 388	571	1 012 4	91 -	1 697	93	4 124 10	1 301
GROSS RENT Specified renter occupied?	57 592	4 451	10 241	6 761	8 040	1 859	4 627	345	7 105	361	11 191	2 611
Less than \$50 \$50 to \$59 \$60 to \$69	2 186 1 936 1 840	24 125 49	19 198	19 82	118 194	189 66	77 80	18 36	40 372	12 36	1 047 507	623 240
\$70 to \$79	1 913 4 261	126 165	150 236 581	128 195 392	159 246 706	31 57 176	97 104	19 34	395 284	า์	658 527	154 93
\$100 to \$119 \$120 to \$149 \$150 to \$199	7 223 9 904	595 1 277	1 453 2 223	1 082 1 053	1 006 1 377	217 241	346 457 631	41 49 57	516 852 1 062	14 41 37	1 093 1 237 1 733	231 234 213
\$300 or more	13 091 7 610 3 365	1 440 459 55	2 674 1 347 428	1 270 951	1 595 1 182	312 169	1 303 911	48	1 620 1 109	117	2 416 1 146	296 289
No cash rent	4 263	136	932	522 1 067	727 730	147 254	446 175	33	589 266	9 47	386 441	56 182
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied? Less than \$5,000 Less than 20 percent	57 592 16 785	4 451 1 215	10 241 900	6 761 460	8 040 644	1 859 736	4 627 1 703	345 190	7 105 3 813	361 202	11 191 4 872	2 611 2 050
25 to 34 percent	1 032 982 1 874	30 48 119	65 87 132	36 46 77	53 56	65 95	68 29	25	103 213	12 14	467 276	108 118
Not computed	10 796 2 101	949 69	522 94	208 93	106 369 60	90 345 141	112 1 309 185	28 121	352 2 501	17 124	574 2 992	267 1 356
\$5,000 to \$9,999	19 799 6 728	2 222 595	3 931 1 281	2 378 867	2 090 887	522 136	1 501 436	65	644 2 296 565	35 83 19	563 4 304 1 822	201 407
25 to 34 percent 35 percent or more	3 824 4 462 3 249	520 665 374	909 948 351	494 332	488 343	116 100	225 303	16 65 26 24 5 5	316 579	22 32	648 1 046	94 62 109
\$10,000 to \$14,999	1 536 12 321	68 840	442 3 619	245 440 2 162	177 195 2 439	89 81	490 47 866	5 5	754 82	5 5	639 149	120 22
20 to 24 percent	8 545 1 439	656 127	2 569 423	1 376 215	1 736 228	256 162 39	577 113	47 42 5	588 384 78	41 19 10	1 368 978 180	95 46 21
\$15,000 or more	1 248 1 089 8 687	31 26 174	360 267 1 791	207 364	218 257	37 18	137 39	-	75 77 49	12	153 57	28
20 to 24 percent	6 864 645	164	1 468 1 06	1 761 1 293 177	2 867 2 278 203	345 265	557 453	43 31	408 337	35 26	647 509	59 40
25 percent or more	449 729	6 4	64 153	83 208	140 246	265 32 23 25	26 34 44	12	26 31 14	9 -	47 68 23	19
I imited to one-family homes on ions they 1	0			····					.7		. 23	

Limited to one-family homes on less than 10 acres and no business on property. 2Excludes one-family homes on 10 acres or more.

Table B-8. Persons in Owner and Renter Occupied Housing Units: 1970

	[Dulu bused on	sumple, see text.	101 11111111111111111111111111111111111		an or the recursion	rectant, civily and	recensing or ayord			
Honolulu	Total	l person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	39 560	3 440	9 089	7 279	7 355	5 411	3 207	2 160	1 619	3.5
BEDROOMS None and 1	2 789 9 315 19 322 8 068	1 305 1 093 863 228	949 3 621 3 794 648	196 1 962 4 042 1 033	156 1 348 4 271 1 505	145 611 3 216 1 419	38 324 1 717 1 139	225 811 1 143	131 608 953	1.6 2.5 3.7 4.9
YEAR STRUCTURE BUILT 1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	2 108 6 218 6 106 11 184 6 055 7 889		588 1 512 1 198 2 176 1 477 2 138	438 1 091 1 030 1 905 1 239 1 576	465 1 330 1 201 2 170 984 1 205	254 866 937 1 838 714 802	135 415 439 1 122 558 538	57 285 337 690 352 439	41 139 278 516 303 342	3.3 3.4 3.6 3.8 3.4 3.1
UNITS IN STRUCTURE 1 2 or more Mobile home or trailer	32 063 7 465 32	1 674 1 752 14	6 213 2 869 7	6 234 1 040 5	6 576 779 -	5 056 349 6	2 924 283 -	1 965 195	1 421 198 -	3.8 2.2
COMPLETE BATHROOMS 1 and 1 1/2	20 152 16 182 2 833 386	766 91	5 083 3 428 531 84	3 847 2 867 495 65	3 441 3 355 563 19	2 305 2 616 436 10	1 410 1 439 339 28	861 1 041 234 34	771 670 144 18	3.2 3.8 4.0 2.3
HOUSEHOLD COMPOSITION Twa-er-mere-person households. Male head, wife present, no nonrelatives	166 2 74 6 355 17 209 4 099 2 225 1 790 425 3 32-2 2 410		9 089 7 092 68 492 516 3 883 2 133 679 550 129 1 318 920 398	518 388 130 861 614	352 254 98 427 336	2 557 262 261 235 26 362	3 207 2 910 5 226 868 1 635 176 192 179 13 105 73 32	2 160 1 916 5 139 555 1 099 118 94 73 21 150 112 38	1 619 1 391 4 76 440 739 132 127 117 10 101 73 28	3.7 3.8 2.8 3.9 4.6 3.8 2.5 3.3 3.4 3.2 2.9 3.0 2.7 1.0
VALUE-INCOME RATIO Specified owner occupied* 1.5 to 1.9 2.0 to 2.4 2.5 to 2.9 3.0 to 3.9 4.0 or more Not computed	4 29- 4 77 5 31: 4 06: 5 21: 7 68	4 30 1 39 3 47 3 73 3 164 7 1 167	554 565 732 666 1 024 2 443	870 1 051 836 1 076	756 1 195 1 262 1 063 1 220	830 896 1 056 641 841	573 527 557 375 444	1 939 434 392 396 253 232 222 10	1 404 369 287 212 156 212 168	3.8 4.6 4.3 4.2 3.9 3.8 2.7 1.7
Renter occupied housing units	. 57 66	B 13 802	16 088	10 205	8 158	4 600	2 579	1 248	988	2.4
BEDROOMS None1 2 3 or more3	17 90 22 03	4 5 847 3 1 956	7 270	2 946 5 348	1 091	1 992	184 927	93 389 939	47 283 524	1.2 1.9 3.0 4.5
YEAR STRUCTURE BUILT 1969 to March 1970	8 95 11 30 12 70	9 2 190 3 2 996 3 2 376 0 1 94	3 006 3 439 3 468 1 2 304	1 685 2 111 3 2 452 1 74	1 194 1 452 2 1 982 1 619	465 2 673 2 1 180 0 1 009	221 370 686 623	34 148 146 268 372 280	19 50 116 289 301 213	2.3 2.3 2.3 2.7 2.9 2.3
UNITS IN STRUCTURE 1	- 4 52 6 01 9 25 - 10 32 - 13 96	2 793 2 1 103 1 2 224 1 2 930 5 5 42	1 023 1 580 2 460 3 536 5 4 737	936 1 136 1 725 1 865 7 1 96	79: 5 97: 5 1 17: 2 1 17:	5 511 574 6 674 3 427	218 368 394 236	501 160 139 316 100 32		3.6 3.0 2.8 2.5 2.1 1.8
COMPLETE BATHROOMS 1 and 1 1/2 2 or more None or also used by another household	- 49 63 - 4 68	1 29	8 978	3 70:	5 1 01	1 731	506	928 256 30	790 196 39	2,4 3,9 1,2
HOUSEHOLD COMPOSITION Twa-er-mere-person households Made head, wife present, no nonrelatives Under 25 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Other male head Under 65 years 65 years and over Female head Under 65 years 65 years and over Female head Other head Other head Other head Other head Other head Other head	- 43 84 - 31 44 - 10 22 - 6 75 - 8 07 - 1 8 07 - 4 67 - 34 - 7 16	8 166 177 199 171 175 175 175 175 186 181	. 10 15: 2 45(2 93): . 2 67: . 1 17: . 2 61: . 2 41(. 20): . 3 31: . 3 07(7 100 1 27/ 22 2 80/ 33 1 03/ 7 1 64/ 55 33' 7 1 27' 7 1 10/ 4 1 82/ 5 5 1 76/ 6 1 17/ 1 1 76/ 6 1 76/ 6 1 76/ 6 1 76/ 7 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	2 6 35; 37 2 33; 55 1 74; 56 1 156; 77 60; 78 1 19; 79 2 2	3 824 3 123 5 1 315 7 1 365 9 87 4 241 2 241 2 53 6 53 7 11	2 174 51 64 484 951 60 630 77 53 108 97 44 11 227 55 227 55 -	11 77 70 7 147 141	283 10 44 40 4 155 145	2.8
GROSS RENT AS PERCENTAGE OF INCOM Specified renter occupied? Less than 10 parcent 10 to 14 percent 15 to 19 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed	57 57 4 99 9 10 9 06 6 89 7 75 14 3	98 95 10 1 46 51 1 65 90 1 37 35 2 20 43 5 14	4 1 100 0 2 37 0 2 42 1 2 09 5 2 38 7 4 53	6 78 3 1 70 7 1 85 7 1 30 9 1 35 4 2 19	6 86 9 1 64 8 1 34 5 90 7 80 7 1 55	9 594 4 933 6 82 0 65 7 45 8 47	4 315 3 559 7 502 4 30	5 190 2 220 2 23-	184 206 4 217 7 109 2 9'	3.1 2.9 2.7 3.5 2.5 7 2.5 7 2.2 9 1.9

*Limited to one-family homes on less than 10 acres and no business on property. ** 2Excludes one-family homes on 10 acres or more.

Table B-9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970

Honolulu	Total	Less than 2 months	2 up to 6 months	6 months or more	Honolulu	Total	Less than 2 months	2 up to 6 months	6 months or more
Vacant for sale	639	342	227	70	Vacant for rent	3 066	2 660	301	105
ROOMS		.			ROOMS				
1 to 3 rooms	103 164 101 164 107	32 61 63 111 75	63 59 33 48 24	8 44 5 5 8	1 room	460 612 797 753 328	418 556 685 656 282	35 31 67 76 43	7 25 45 21
PLUMBING FACILITIES					6 rooms 7 rooms ar mare	85 31	54 9	27 22	4
With all plumbing facilities Lacking some or all plumbing facilities	631 8	334 8	227 -	70 -	PLUMBING FACILITIES				
BEDROOMS					With all plumbing facilities	2 962	2 570	293	99
None and 1	39 253 245 115	39 59 172 64	119 60 33	75 13 18	Lacking some or all plumbing facilities BEDROOMS	104	90	8	6
YEAR STRUCTURE BUILT			05	, ,	None	457 1 103	386 996	57 51	14 56
1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier	197	155 89 46 52	121 92 14 -	46 16 4 4	2	1 002 522	896 432	87 90	19
UNITS IN STRUCTURE					1969 to March 1970 1960 to 1968	743 1 119	679	64	
12 or more	309 330	209 133	78 149	22 48	1950 to 1959	472 732	966 400 615	118 45 74	35 27 43
HEATING EQUIPMENT					UNITS IN STRUCTURE				
Steam or hot water	-	- - - 342	- - - - 227	- - - 70	1	428 262 270 719 1 387	309 197 196 682 1 276	95 41 55 18 92	24 24 19 19
SALES PRICE ASKED					RENT ASKED				
Specified vacant for sale ¹ Less than \$5,000 \$5,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$20,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$49,999 \$50,000 or mare Median price asked	176	209 - 2 6 - 4 4 115 78 \$46 500	78 5 56 17	22 - - - - 4 - 5 13	\$pacified vacant for rent2	3 066 254 99 111 164 176 287 595 1 380 \$187	2 660 243 73 89 138 142 236 528 1 211 \$189	301 11 3 19 14 31 47 17 159 \$212	105 - 23 3 12 3 4 50 10 \$158

Limited to one-family homes on less than 10 acres and no business on property.

Table B-10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970

(Data based on sample, see text. For meaning of symbols, see text)

Honolulu			Sales price a	sked – Vacan	t for sale!			Rent asked Vacant for rent ²						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Tota!	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	309	2	6	-	8	9	284	3 066	353	111	164	463	595	1 380
PLUMBING FACILITIES														, ,,,,
With all plumbing facilities Lacking some or all plumbing facilities	284 21	21	=	<u>-</u>	22	-	262	2 967 117	272 67	99 38	161	411	531	1 493
BEDROOMS														
None and 1	21 22 163 99	21 	- - -	- - -	2 <u>2</u> 	- - -	- 163	1 560 1 002 463 59	162 86 72 19	56 48 33	113 19 15 14	186 143 70 12	397 105 15 14	646 601 258
YEAR STRUCTURE BUILT								5,	' '	-	14	12	14	-
1969 to March 1970 1960 to 1968 1950 to 1959 1949 or earlier	180 49 43 37	- 2 - -	3 3 -	- - -	4 - 4	- - 9 	176 44 31 33	743 1 119 472 732	184 28 14	38 12 61	13 29 30 92	16 160 104 183	95 213 143 144	435 651 169 125
UNITS IN STRUCTURE										0.	/2	103	1-1-4	123
1		***		•••	•••	•••		428 262 989 1 387	45 37 184 87	24 15 43	44 24 85	125 58 203 77	53 44 187 311	137 84 287 872
INCLUSION OF UTILITIES IN RENT									٠,		• •	,,	311	0/2
All utilities includedSome or no utilities included		* * *		• • •	***	,,,		1 235 1 831	321 32	79 32	37 127	141 322	218 377	439 941

¹Limited to one-family homes on less than 10 acres and no business on property.

²Excludes one-family homes on 10 acres or more,

²Excludes one-family homes on 10 acres or more.

Appendix A.—AREA CLASSIFICATIONS

USUAL PLACE OF RESIDENCE	App-
COUNTIES	App-
PLACES	App-1
STANDARD METROPOLITAN STATISTICAL AREAS	App-

USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to 1790, each person enumerated in the 1970 census was counted as an inhabitant of his usual place of residence, which is generally construed to mean the place where he lives and sleeps most of the time. This place is not necessarily the same as his legal residence, voting residence, or domicile. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics although there may be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishing of residence rules for certain categories of persons whose usual place of residence is not immediately clear. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be found by the census enumerators. Persons without a usual place of residence were, however, counted where they were enumerated. Detailed information on residence rules is given in the 1970 Population Census PC(1)-A reports.

COUNTIES

The primary divisions of the States are, in general, termed counties, but in Louisiana these divisions are known as parishes. There are no counties in Alaska; in this State, statistical areas called census divisions were developed

for general statistical purposes through the cooperation of the State and the Census Bureau and are treated as county equivalents. In four States (Maryland, Missouri, Nevada, and Virginia), there are one or more cities which are independent of any county organization and thus constitute primary divisions of their States.

PLACES

Two types of places are recognized in the census reports, incorporated places and unincorporated places. Incorporated places are political units incorporated as cities, boroughs, towns, and villages except for (a) boroughs in Alaska and (b) towns in the New England States, New York, and Wisconsin. Unincorporated places are closely settled population centers without corporate limits for which the Census Bureau has delineated boundaries. Each place so delineated possesses a definite nucleus of residences and has its boundaries drawn to include, if feasible, all the surrounding closely settled area. Unincorporated places are identified with the letter "U."

STANDARD METROPOLITAN STATISTICAL AREAS

The Bureau of the Census recognizes 243 standard metropolitan statistical areas (SMSA's) in the United States and 4 in Puerto Rico, making a total of 247 in the 1970 census. These include the 231 SMSA's as defined and named in the Bureau of the Budget publication, Standard Metropolitan Statistical Areas: 1967, U.S. Government Printing Office, Washington, D.C. 20402. Since 1967, 16 SMSA's have been added, of which two were defined in January 1968 and an additional 14 were defined in February

1971 on the basis of the results of the 1970 census. Changes in SMSA boundaries or titles made after February 1971 are not recognized in this series of reports. SMSA's are defined by the Office of Management and Budget (formerly Bureau of the Budget).

Except in the New England States. a standard metropolitan statistical area is a county or group of contiguous counties which contains at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. In addition to the county or counties containing such a city or cities, contiguous counties are included in an SMSA if, according to certain criteria, they are socially and economically integrated with the central city. In the New England States, SMSA's consist of towns and cities instead of counties. Each SMSA must include at least one central city, and the complete title of an SMSA identifies the central city or cities. For a detailed description of the criteria used in defining SMSA's, see the Bureau of the Budget publication cited

The figures for central cities shown in this report may differ from those shown in the Housing Census HC(1)-A and HC(1)-B reports. In those reports, if a central city of an SMSA is an extended city (so designated because it has extended its boundaries to include territory essentially rural in character), the figures shown for the central city were restricted to the urban portion of the city. In addition, parts of central cities outside the SMSA boundaries were excluded from the central city tabulations. In this report, however, figures for central cities refer to the entire population and housing within the legal city boundaries, including any rural parts of the city or parts outside the SMSA.

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GENERAL

Self-enumeration and census questionnaire.-As stated in the introductory text of this report, the 1970 census was conducted primarily through selfenumeration. Furthermore, census takers were instructed to read the questions directly from the questionnaire in their telephone and personal visit interviews. The questionnaire pages containing the housing questions asked on a 100-percent basis and the additional questions asked on a sample basis, as well as the page of the respondent instruction sheet which relates to these questions, are reproduced on pages App-10 to App-13. The definitions and explanations given below for each subject are, to a considerable extent, drawn from various technical and procedural materials used in the collection of the data. This material helped the enumerative personnel to understand more fully the intent of each question and thus to resolve problem or unusual cases. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.

Comparability with 1960 data.-Although the 1970 data are generally comparable with the data collected in 1960, certain changes have been introduced. The 1960 inquiry regarding owner occupancy has been subdivided to show a separate category for cooperatives and condominiums in 1970. The 1960 question on cooking equipment was broadened in 1970 to cover "complete kitchen facilities"; i.e., an installed sink with piped water, a range or cookstove, and a mechancial refrigerator. On the other hand, the 1960 question on condition of housing unit (i.e., sound, deteriorating, or dilapidated) was eliminated because of serious problems with response reliability.

Items which were added to the 1970 questionnaire are dishwasher and owned second home. The 1960 inquiry on television has been subdivided to provide separate information on television sets which can receive UHF broadcasts. The 1970 inquiry on radios is limited to battery-operated sets including car radios, whereas the 1960 inquiry covered radio sets of all kinds located in the unit. Data on television sets and radios are not given in this report; statistics on these appliances, however, are presented in the 1970 Housing Census, HC(1)-B reports.

There have also been changes in the scope of some of the tabulations. The tabulations on value and contract rent refer to slightly different sets of housing units in 1970 than in 1960. Summarized generally, the difference is that the 1970 data exclude units on places of 10 acres or more whereas the 1960 data exclude units on farms; more specific information can be obtained by comparing the value and rent definitions in the present report with those in 1960 Housing Census Volume I.

Data on elevator in structure were collected for all geographic areas in 1970. In 1960, statistics on elevator in structure were collected only for large places; that is, places which had a population of 50,000 or more in 1950 or in an interim census.

Separate data on a number of subjects are presented for occupied units with Negro head of household. In 1960, this type of tabulation related to the total of all household heads other than white; Negro household heads constituted 95 percent of this total in 1960 for the Nation as a whole, but this proportion varied widely among areas.

Separate data are also shown in this report for housing units occupied by heads of Spanish heritage, that is, household heads of Spanish language or Spanish surname in five Southwestern States (Arizona, California, Colorado, New Mexico, and Texas), heads of Puerto Rican birth or parentage in New York, New Jersey, and Pennsylvania, and heads of Spanish language in all other States. In 1960, household heads of Spanish surname were identified in the five Southwestern States and Puerto Rican heads of households were identified in all other States. More information on the 1970 definition is given in this report and in the 1970 Population Census Series PC(1)-C reports; the 1960 definition is more fully explained in the 1960 Census of Housing Volume I reports.

LIVING QUARTERS

Living quarters are classified in the census as either housing units or group quarters. Usually, living quarters are in structures intended for residential use (e.g., a one-family home, apartment house, hotel or motel, boarding house,

mobile home or trailer, etc.). Living quarters may also be in structures intended for nonresidential use (e.g., the rooms in a warehouse where a watchman lives), as well as in tents, caves, old railroad cars, etc.

Housing units.—A housing unit is a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. Separate living quarters are those in which the occupants do not live and eat with any other persons in the structure and which have either (1) direct access from the outside of the building or through a common hall or (2) complete kitchen facilities for the exclusive use of the occupants. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements (except as described in the section on group quarters). For vacant units, the criteria of separateness, direct access, and complete kitchen facilities for exclusive use are applied to the intended occupants, whenever possible. If the information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing inventory, except that mobile homes, trailers, tents, caves, boats, railroad cars, and the like, are included only if they are occupied.

Group quarters.—Group quarters are living arrangements for institutional inmates or for other groups containing five or more persons not related to the person in charge. Group quarters are located most frequently in institutions, boarding houses, military barracks, college dormitories, fraternity and sorority houses, hospitals, mona-

steries, convents, and ships. A house or apartment is considered group quarters if it is shared by the person in charge and five or more persons unrelated to him, or if there is no person in charge, by six or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the census.

Rules for mobile homes, hotels, rooming houses, etc.—Mobile homes or trailers, tents, boats, or railroad cars are not enumerated if vacant, used only for business, or used only for vacations.

Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels, motels, and similar places in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have either direct access or complete kitchen facilities for exclusive use, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain four or fewer roomers unrelated to the head, they are classified as one housing unit; if the combined quarters contain five or more roomers unrelated to the head. or person in charge, they are classified as group quarters. In a dormitory, residence hall, or similar place, living quarters of the supervisory staff and other employees are separate housing units if they satisfy the housing unit criteria; other living quarters are considered group quarters.

Institutions.—Living quarters of staff personnel are separate housing units if they satisfy the housing unit criteria. Other living quarters are considered group quarters.

OCCUPANCY AND VACANCY CHARACTERISTICS

Occupied housing units.—A housing unit is classified as occupied if a person or group of persons is living in it at the time of enumeration or if the occupants are only temporarily absent—for example, on vacation. However, if the persons staying in the unit have their usual place of residence elsewhere, the unit is classified as vacant.

A household consists of all the persons who occupy a housing unit. By definition, therefore, the count of occupied housing units is the same as the count of households in the 1970 Census of Population reports. In some cases, however, there may be small differences in the counts resulting from processing procedures.

Race.—The classification by race shown here refers to the race of the head of the household occupying the housing unit. Detailed characteristics of units with Negro head of household are presented in separate tables for SMSA's, cities or places having a Negro population of 25,000 or more. The concept of race as used by the Census Bureau does not denote clear-cut scientific definitions of biological stock. The data represent essentially self-classification by people according to the race with which they identify themselves.

Spanish heritage.—The inquiries in the 1970 census permit the identification of housing units occupied by heads of Spanish heritage by various means: birthplace, birthplace of parents, language, and surname. The specific types of identification are given below. A more detailed explanation is given in the 1970 Population Census PC(1)-C reports.

Puerto Rican birth or parentage.— Household heads of Puerto Rican birth or parentage are identified in the three Middle Atlantic States: New York, New Jersey, and Pennsylvania.

Spanish language or Spanish surname.—In five Southwestern States — Arizona, California, Colorado, New Mexico, and Texas — household heads of Spanish language or Spanish surname are identified. (A household head is classified as of Spanish language if the head or his wife reported Spanish as his or her mother tongue, i.e., the language spoken at home when the person was a child.)

Spanish language.—In all other States and the District of Columbia, households heads of Spanish language (as defined above) are identified.

Detailed characteristics of units with heads of Spanish heritage are presented in separate tables for SMSA's, cities or places having a population of 25,000 or more for the particular Spanish-heritage group.

Tenure.—(See facsimiles of questionnaire item H9 and instructions on pages App-10 and App-13.) A housing unit is "owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. A cooperative or condominium unit is "owner occupied" only if the owner or co-owner lives in it. All other occupied units are classified as "renter occupied," including units rented for cash rent and those occupied without payment of cash rent.

Year moved into unit.-Data on year moved into unit are based on the information reported for the head of the household. The question refers to the year of latest move. Thus, if the head moved back into a unit he had previously occupied, the year of his latest move was to be reported; if he moved from one apartment to another in the same building, the year he moved into his present unit was to be reported. The intent is to establish the year the present occupancy by the head began. The year the head moves is not necessarily the same year other members of the household move, although in the great majority of cases the entire household moves at the same time.

Vacant housing units.—A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. In addition, a vacant unit may be one which is occupied entirely by persons who have a usual residence elsewhere.

New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if unfit for human habitation; that is, if the roof, walls, windows, or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is to be demolished or is condemned. Also

excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

Vacancy status.-(See facsimile of questionnaire item C on page App-10.) Vacant housing units are classified as either "seasonal and migratory" or "year-round." "Seasonal" units are intended for occupancy during only certain seasons of the year. Included are units intended for recreational use. such as beach cottages and hunting cabins, and vacant units held for herders and loggers. "Migratory" units are vacant units held for occupancy by migratory labor employed in farm work during the crop season, "Yearround" vacant housing units are available or intended for occupancy at any time of the year. A unit in a resort area which is usually occupied on a year-round basis is considered yearround. A unit used only occasionally throughout the year is also considered year-round.

This report presents statistics for "year-round" vacant units on the market for sale or for rent. Excluded are "seasonal and migratory" vacant units, as well as "year-round" vacant units sold or rented but not yet occupied by the new owner or renter, units held for the occasional use of the owner, and units held off the market for other reasons.

Vacant for sale.—Vacant year-round units "for sale" also include vacant units in a cooperative or condominium building if the individual units are offered for sale only.

Vacant for rent.—Vacant yearround units "for rent" also include vacant units offered either for rent or for sale. Duration of vacancy.—(See facsimile of questionnaire item D on page App-10.) The statistics on duration of vacancy refer to the length of time (in months) from the date the last occupants moved from the unit to the date of enumeration. The data, therefore, do not provide a direct measure of the total length of time units remain vacant. For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed.

UTILIZATION CHARACTERISTICS

Persons.—All persons occupying the housing unit are counted. These persons include not only occupants related to the head of the household but also any lodgers, roomers, boarders, partners, wards, foster children, and resident employees who share the living quarters of the household head. The data on "persons" show the number of housing units occupied by the specified number of persons.

Units with one or more roomers, boarders, or lodgers are shown as a separate category. Not included as "roomers, boarders, or lodgers" are servants who live in, companions, partners, etc.

Rooms.—(See facsimiles of questionnaire item H4 and instructions on pages App-10 and App-13.) The statistics on "rooms" are in terms of the number of housing units with specified number of rooms. The intent of this question was to count the number of whole rooms used for living purposes. As stated on the questionnaire and instruction sheet, bathrooms, foyers, utility rooms, unfinished attics or basements, etc., are not included in the count of rooms.

Persons per room.—"Persons per room" is computed for each occupied unit by dividing the number of persons in the unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of housing units having the specified ratio of persons per room.

Bedrooms. - (See facsimile of questionnaire item H26 on page App-12.) The number of bedrooms in the unit is the count of rooms used mainly for sleeping, even if also used for other purposes. Rooms reserved for sleeping such as guest rooms, even though used infrequently, are counted as bedrooms. On the other hand, rooms used mainly for other purposes, even though used also for sleeping, such as a living room with a hideaway bed, are not considered bedrooms. A housing unit consisting of only one room, such as one-room efficiency apartment, is classified, by definition, as having no bedroom.

STRUCTURAL AND PLUMBING CHARACTERISTICS

Direct access.—(See facsimiles of questionnaire item H2 and instructions on pages App-10 and App-13.) A housing unit is regarded as having direct access if there is (1) a direct entrance from the outdoors, or (2) an entrance from a hall, lobby, or vestibule which is usually used by the occupants of more than one unit or by the general public.

Complete kitchen facilities.—(See facsimiles of questionnaire item H3 and instructions on pages App-10 and App-13.) A unit has complete kitchen facilities when it has all three of the

following: (1) an installed sink with piped water, (2) a range or cookstove, and (3) a mechanical refrigerator.

All kitchen facilities must be located in the structure. They need not be in the same room. Quarters with only portable cooking equipment are not considered as having a range or cookstove. An icebox is not included as a mechanical refrigerator.

The kitchen facilities are for the exclusive use of the occupants (shown on the questionnaire as "for this household only") when they are used only by the occupants of one housing unit, including lodgers or other unrelated persons living in the unit. When a structure consists of only one housing unit, all equipment located inside the structure is classified, by definition, for exclusive use.

Year structure built.—(See facsimile of questionnaire item H15 on page App-11.) Year structure built refers to when the building was first constructed, not when it was remodeled, added to, or converted. The figures relate to the number of units in structures built during the specified periods and in existence at the time of enumeration.

Units in structure.—(See facsimiles of questionnaire item H16 and instructions on pages App-11 and App13.) In the determination of the number of units in a structure, all housing units, both occupied and vacant, were counted. The statistics are presented in terms of the number of housing units in structures of specified type and size, not in terms of the number of residential structures,

A structure is a separate building that either has open space on all sides or is separated from other structures by dividing walls that extend from ground to roof. Structures containing only one housing unit are further classified as detached or attached (as explained on the questionnaire and instruction sheet).

Mobile homes and trailers are shown as a separate category. When one or more rooms have been added to a mobile home or trailer it is classified as a one-family house. If, however, only a porch or shed has been added, it is still counted as a mobile home or trailer.

The data on units in structure shown in this report may differ from the comparable figures in the HC(1)-A report. The answers to item H16 on the sample questionnaire made it possible in the HC(2) tabulations to correctly classify as mobile homes or trailers those which were incorrectly classified as one-family houses or as housing units in multiunit structures in the HC(1)-A tabulations.

Elevator in structure.—(See facsimiles of questionnaire item H24 and instructions on pages App-12 and App-13.) Statistics on elevator in structure are presented in terms of the number of housing units in structures with four stories or more which have a passenger elevator. Units are in a "walk-up" structure of four stories or more if the structure has no passenger elevator or if the only elevator service is for freight.

Plumbing facilities.—(See facsimiles of questionnaire items H5, H6, and H7 and instructions on pages App-10 and App-13.) The category "with all plumbing facilities" consists of units which have hot and cold piped water inside the structure as well as a flush toilet and a bathtub or shower inside the structure for the exclusive use of the occupants of the unit. "Lacking some or all plumbing facilities" means that the unit does not have all three

specified plumbing facilities (hot and cold piped water, as well as flush toilet and bathtub or shower inside the structure), or that the toilet or bathing facilities are also for the use of the occupants of other housing units.

Complete bathrooms.—(See facsimile of questionnaire item H21 on page App-11.) A housing unit is classified as having a complete bathroom if it has a room with a flush toilet and bathtub or shower for the exclusive use of the occupants of the unit and a wash basin, as well as piped hot water in the structure. (Although the instructions on the questionnaire do not specify that a complete bathroom must have hot water, this requirement was applied during the processing of the data in an edit combining the items on complete bathrooms and piped water in structure.) A half bathroom has either a flush toilet or a bathtub or shower for exclusive use, but does not have all the facilities for a complete bathroom.

The category "none or also used by another household" consists of units with no bathroom facilities, units with only a half bathroom, and units with bathroom facilities which are also for the use of the occupants of other housing units.

EQUIPMENT, FUELS, AND APPLIANCES

Heating equipment.—(See facsimiles of questionnaire item H14 and instructions on pages App-11 and App-13.) "Steam or hot water" refers to a central heating system in which heat from steam or hot water is delivered through radiators or other outlets. "Warm-air furnace" refers to a central system which provides warm air through ducts leading to various rooms; central heat pumps are

included in this category. "Built-in electric units" are permanently installed in floors, walls, or ceilings. A "floor, wall, or pipeless furnace" delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. "Other means" includes room heaters with or without flue, fireplaces, stoves, and portable heaters of all types.

For vacant units from which the heating equipment had been removed, the equipment used by the last occupants was to be reported.

Air conditioning.—(See facsimiles of questionnaire item H22 and instructions on pages App-11 and App-13.) Air conditioning is defined as the cooling of air by a refrigeration unit; excluded are evaporative coolers, fans, or blowers which are not connected to a refrigeration unit. A central system is a central installation which airconditions the entire housing unit. In an apartment building, a central system may cool all apartments in the building, each apartment may have its own central system, or there may be several systems, each providing central air conditioning for a group of apartments. A central installation with individual room controls is a central air-conditioning system. A room unit is an individual air conditioner which is installed in a window or an outside wall and is generally intended to cool one room, although it may sometimes be used to cool more than one room.

Automobiles available.—(See facsimiles of questionnaire item H23 and instructions on pages App-11 and App-13.) Statistics on automobiles available represent the number of passenger automobiles, including station wagons, which are owned or regularly used by any member of the household and

which are ordinarily kept at home. Taxicabs, pickups, or larger trucks were not to be counted. The figures include leased automobiles and company-owned automobiles kept at home. The statistics, therefore, do not reflect the number of automobiles privately owned or the number of households owning automobiles.

Appliances.—(See facsimiles of questionnaire items H27 and instructions on pages App-12 and App-13.)

Automatic clothes washing machine.—This category describes a machine that washes, rinses, and damp dries in the same tub; washer-dryer combinations are included in this group.

Clothes dryer.—A clothes dryer is a mechanical appliance in which clothes are dried by heated air. A unit with a washer-dryer combination is classified as having a clothes dryer (as well as an automatic clothes washing machine.)

Dishwasher.—This category includes both built-in and portable dishwashers.

Home food freezer.—A home food freezer is an appliance, separate from the refrigerator, designed for freezing food and for storing frozen food.

Owned second home.—(See facsimiles of questionnaire item H30 and instructions on pages App-12 and App-13.) A second home may be a single-family house, vacation cottage, hunting cabin, ski lodge, etc., which is owned and held for use sometime during the year by the owner or members of his household. Second homes may also be owned in partnership with members of a different household. The figures include second homes which are some-

times rented or leased on a short-term basis to other persons but are principally held for the owner's occasional use during the year.

The statistics refer to the number of households that own (one or more) second homes. The data, therefore, do not reflect the number of owned second homes.

FINANCIAL CHARACTERISTICS

Value.—(See facsimiles of questionnaire item H11 and instructions on pages App-10 and App-13.) Value is the respondent's estimate of how much the property (house and lot) would sell for if it were for sale. The statistics on value are shown only for one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The value tabulations also exclude mobile homes and trailers and units in cooperatives and condominiums.

As stated in the section on "units in structure," certain mobile homes and trailers were incorrectly classified as one-family houses in the HC(1)-A tabulations. In the HC(2) reports, the number of specified owner-occupied (one-family) units and the value tabulations correctly exclude the misclassified mobile homes and trailers; these tend to be at the lower end of the value distribution. As a result, the data on value shown in this report may differ from the comparable statistics in the HC(1)-A report.

Sales price asked.—For vacant units, the sales price is the amount asked for the property at the time of enumeration. The statistics on sales price are shown only for vacant for sale one-family houses on less than 10 acres without a commercial establishment or medical office on the property.

Gross rent.-(See facsimiles of questionnaire items H12 and H13 and instructions on pages App-10, 11, and 13.) The computed rent termed "gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, water) and fuels (oil, coal, kerosene, wood, etc.), if these items are paid for by the renter (or paid for him by someone else, such as a relative, welfare agency, or friend) in addition to rent. Contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included. Thus, gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuel as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis but they are converted to monthly figures in the computation process.

The statistics on rent exclude onefamily houses on ten acres or more. Renter units occupied without payment of cash rent are shown separately as "no cash rent" in the rent tabulations.

Rent asked.—For vacant units, the rent is the amount asked for the unit at the time of enumeration. The data are for vacant year-round units for rent, excluding one-family houses on ten acres or more. In table 10, data are provided for two kinds of vacant-for-rent units—those for which the rent includes payment for all utilities and fuel, and those for which the rent includes only some or none of the utilities and fuel. See section on "Gross rent" above for discussion of utilities and fuel.

Value-income ratio.—The value-income ratio is computed by dividing the value

of the housing unit by the total income in 1969 of the family or primary individual. The ratio is presented for the same owner-occupied units for which value was tabulated; thus, the statistics on value-income ratio reflect the exclusion of certain owner-occupied units. The ratio was computed separately for each unit and was rounded to the nearest tenth. In reporting value, respondents were asked to select an appropriate class interval. The midpoints of the value intervals were used in the computation of the value-income ratio, except that a mean of \$3,500 was assigned for values less than \$5,000 and a mean of \$60,000 was assigned for values of \$50,000 or more. For income, the dollar amounts were used. Units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

Gross rent as percentage of income.-The yearly gross rent (monthly gross rent multiplied by 12) is expressed as a percentage of the total income in 1969 of the family or primary individual. The percentage is presented for the same renter-occupied units for which gross rent was tabulated; thus, the statistics on gross rent as percentage of income reflect the exclusion of certain renter-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. For gross rent, the dollar amounts were used in the computation except that \$999 was assigned for monthly rentals of \$1,000 or more. For income, the dollar amounts were used. Units for which no cash rent is paid and units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

HOUSEHOLD CHARACTERISTICS

Head of household.—One person in each household is designated as the "head," that is, the person who is regarded as the head by the members of the household. However, if a married woman living with her husband is reported as the head, her husband was considered the head for the purpose of simplifying the tabulations.

Household composition.—Statistics by age of head are presented separately for two-or-more person households and for one-person households. Households having two or more persons are further subdivided as follows:

Male head, wife present, no nonrelatives.—Each household in this group consists of the head and his wife, and other persons, if any, all of whom are related to him.

Other male head.—This category includes households with male head, wife present, with non-relatives living with them; male heads who are married, but with wife absent because of separation or other reason where husband and wife maintain separate residences; and male heads who are widowed, divorced, or single.

Female head.—This group comprises households with female heads regardless of their marital status. Included are female heads with no spouse and female heads whose husbands are living away from their families, as for example, husbands in the Armed Forces living on military installations.

Households consisting of only one person are shown separately as "one-person households" and are not included in the subcategories "other male head" and "female head."

Nonrelative.—A nonrelative of the head is any person in the household who is not related to the head by blood, marriage, or adoption. Roomers, boarders, lodgers, partners, resident employees, wards, and foster children are included in this category.

Family or primary individual.— Housing units are occupied by either "families" or "primary individuals." The term "family" refers to the head of a household and all (one or more) other persons living in the same household who are related to the head by blood, marriage, or adoption. If the head lives alone or with nonrelatives only, then the head is considered a "primary individual."

Married couples related to the head of a family are included in the family and are not considered as separate families. A lodger, servant, or other person unrelated to the head is considered a member of the household but not of the family.

In the statistics on household composition, families are always included in one of the three major groups of two-or-more person households. Primary individuals with nonrelatives living with them are tabulated as "other male head" or "female head." Primary individuals living alone are always tabulated as "one-person households."

Income in 1969.—Income is the sum of the amounts reported for wage and salary income, net self-employment income, Social Security or railroad retirement income, public assistance or welfare income, and all other income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, bond purchases, union dues, health insurance premiums, Medicare deductions, etc.

In this report, the statistics relate to the income of the family or primary individual occupying the housing unit; that is, the sum of the income of the head of the family and all other members of the family 14 years old and over or the income of the primary individual. Incomes of persons living in the unit but not related to the head of the household are not included in this sum. Although the income statistics cover the calendar year 1969, the characteristics of the household refer to the time of enumeration (April 1970). Thus, the income of the family does not include amounts received by persons who were members of the family during all or part of the calendar year 1969 if these persons no longer resided with the family at the time of the census. On the other hand, family income includes amounts reported by related persons who did not reside with the family during 1969 but who were members of the family at the time of enumeration. For most families, however, the income reported was received by persons who were members of the family throughout 1969.

Wage or salary income is defined as the total money earnings received for work performed as an employee at any time during the calendar year 1969. It includes wages, salary, pay from Armed Forces, commissions, tips, piece rate payments, and cash bonuses earned. Net self-employment income is defined as net money income (gross receipts minus operating expenses) received from a business, farm, professional enterprise, or partnership in which the person was engaged on his own account.

Social Security or railroad retirement income includes cash receipts of Social Security pensions, survivors' benefits, permanent disability insurance payments, and special benefit payments made by the Social Security Administration. Cash receipt of retire-

ment, disability, and survivors' benefit payments made by the U.S. Government under the Railroad Retirement Act are also included. Public assistance income includes cash receipts of payments made under the following public assistance programs: Aid to families with dependent children, old age assistance, general assistance, aid to the blind, and aid to the permanently and totally disabled. Separate payments received for hospital or other medical care are not included.

Income from all other sources includes money income received from sources such as interest; dividends; net income (or loss) from property rentals; net receipts from roomers or boarders; veteran's payments; public or private pensions; periodic receipts from insurance policies or annuities; unemployment insurance benefits; workmen's compensation cash benefits; net royalties; periodic payments from estates and trust funds; alimony or child support from persons who are not members of the household; net gambling gains; nonservice scholarships and fellowships; and money received for transportation and/or subsistence by persons participating in special governmental training programs, e.g., under the Manpower Development and Training Act.

Receipts from the following sources were not included as income: Money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" such as food produced and consumed in the home or free living quarters; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts. (A more detailed discussion of income is given in the 1970 Population Census, PC(1)-C reports.)

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES (Questions on this page appeared on both the 15-percent and 5-percent questionnaires)

A. How many living quarters, occupied and vacant, are	H9. Are your living quarters—	FOR CENSUS
at this address?		ENUMERATOR'S USE
O One	Owned or being bought by you or by someone else	L 1
O 2 apartments or living quarters	in this household? Do not include cooperatives and	ONLY
O 2 and other country on 15 to	condominiums here.	a4. Block a5. Serial
O 4 apartments or living quarters	A cooperative or condominium which is owned or being	number number
	bought by you or by someone else in this household?	N I
	O Rented for cash rent?	N 000000000
O 6 apartments or living quarters	Occupied without payment of cash rent?	100010001
O 7 apartments or living quarters		200020002
8 apartments or living quarters		300030003
9 apartments or living quarters	H10a. Is this building a one-family house?	
 10 or more apartments or living quarters 	O Yes, a one-family house	400040004
O This is a mobile home or trailer	O No, a building for 2 or more families	
	or a mobile home or trailer	N
•		500050005
4	b. If "Yes"— Is this house on a place of 10 acres or more,	N 600060006
Answer these questions for your living quarters	or is any part of this property used as a commercial	700070007
	establishment or medical office?	N 800080008
H1. Is there a telephone on which people in your living	O Yes, 10 acres or more	900090009
quarters can be called?		N I
O Yes What is	and a state of the order of the order	
O No the number?	O No, none of the above	B. Type of unit or quarters
Phone number	•	V = 1) be at a min or departers
	H11. If you live in a one-family house which	Occupied
H2. Do you enter your living quarters-	you own or are buying—	O First form
O Directly from the outside or through	What is the value of this assessment	O Continuation
a common or public hall?	What is the value of this property; that is, how much	[]
Through someone else's living quarters?	do you think this property (house and lot) would sell for	Vacant
- Amount come else s maning quarters?	if it were for sale?	O Regular
	O Less than \$5,000 If this house	O Usual residence
H3. Do you have complete kitchen facilities?	○ \$5,000 to \$7,499 is on a place	elsewhere
Complete kitchen facilities are a sink with piped	O \$7,500 to \$9,999 of 10 acres or	
water, a range or cook stove, and a refrigerator.	more, or if	Group quarters
	O \$10,000 to \$12,499 any part of	L1 ———
O Yes, for this household only	O \$12,500 to \$14,999 this property	O First form
O Yes, but also used by another household	O \$15,000 to \$17,499 is used as a	○ Continuation
O No complete kitchen facilities for this household	O \$17,500 to \$19,999 commercial	For a vacant unit, also fill
	\$20,000 to \$24,999 or medical	C, D, A, H2 to H8, and
H4. How many rooms do you have in your living quarters?		
Do not count bathrooms, porches, balconies, foyers,		H10 to H12
halls, or half-rooms.	O \$35,000 to \$49,999 not answer	
O 1 room O 6 rooms	• \$50,000 or more this question.	
. 5 5 1001113		N 1
O FIOOTIS	H12. Answer this quession if you pay rent for your living quarters.	No. 11
	a. If rent is paid by the month	C. Vacancy status
O 4 rooms O 9 rooms or more		Year round—
o b tooling	What is the monthly rent?	○ For rent
LIF 1 4	_	○ For sale only
H5. Is there hot and cold piped water in this building?	Write amount here00 (Nearest dollar)	Rented or sold, not
O Yes, hot and cold piped water in this building	···	occupied
No, only cold piped water in this building	and (O Held for occasional use
O No piped water in this building	O Less than \$30 Fill one circle \$30 to \$39	Other vacant
	1	3
	O \$40 to \$49	O Seasonal
H6. Do you have a flush toilet?		O Migratory
O Yes, for this household only	O \$60 to \$69	BEGGG
O Yes, but also used by another household	O \$70 to \$79	V
O No flush toilet	O \$80 to \$89	Y
(02)	○ \$90 to \$99	D. Months vacant
	- +55 (4) 455	O Less than 1 month
H7. Do you have a bathtub or shower?	○ \$100 to \$119	O 1 up to 2 months
	O \$120 to \$149	O 2 up to 6 months
O Yes, for this household only	O \$150 to \$199	O 6 up to 12 months
O Yes, but also used by another household	O \$200 to \$249	O 1 year up to 2 years
O No bathtub or shower	○ \$250 to \$299	O 2 years or more
	. 0 \$300'or more	3 = 70013 01 111018
H8. Is there a basement in this building?		C/O O O
O Yes	b. If rent is not paid by the month—	1
No, built on a concrete slab	What is the rent, and what period of time does it cover?	۷ I
O No built in another was at a second		y I
 No, built in another way (include mobile homes and trailers) 	\$.00 per	3
		J
,	(Nearest dollar) (Week, half-month, year, etc.)	L

APPENDIX B-Continued

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES (Percent indicates sample size)

	H13. Answer question H13 if you pay rent for your living quarters.	H19. Do you get water from—	7
[In addition to the rent entered in H12, do you also pay for—	A public system (city water department, etc.)	
	a. Electricity?	or private company?	
1	○ Yes, average monthly cost is → \$.00	 An individual well? Some other source (a spring, creek, river, cistern, etc.)? 	
	No, included in rent Average monthly cost		
	O No, electricity not used	H20. Is this building connected to a public sewer?	71
	b. Gas?	Yes, connected to public sewer	
	O Yes, average monthly cost is → .00 O No. included in rent	No, connected to septic tank or cesspool No, use other means	
1	O No, included in rent No, gas not used	O No, use other means	_]
1	c. Water?	H21. How many bathrooms do you have?	
	O Yes, yearly cost is \$.00	A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water.	
	O No, included in rent or no charge Yearly cost	A half bathroom has at least a flush toilet or bathtub or shower,	
	d. Oil, coal, kerosene, wood, etc.?	but does not have all the facilities for a complete bathroom.	
	O Yes, yearly cost is	No bathroom, or only a half bathroom	
1	No, included in rent Yearly cost No, these fuels not used	O 1 complete bathroom	15
		1 complete bathroom, plus half bath(s)	percent
	H14. How are your living quarters heated? Fill one circle for the kind of heat you use most.	2 complete bathrooms	
į	O Steam or hot water system	2 complete bathrooms, plus half bath(s)	
l	Central warm air furnace with ducts to the individual rooms, or central heat pump	3 or more complete bathrooms	
	Built in electric units (permanently installed in wall, ceiling,		
	or baseboard)	H22. Do you have air-conditioning?	7
15 and 5	Floor, wall, or pipeless furnace	Yes, 1 individual room unit	İ
percent	O Room heaters with flue or vent, burning gas, oil, or kerosene	 Yes, 2 or more individual room units Yes, a central air conditioning system 	
pordont	O Room heaters without flue or vent, burning gas, oil, or kerosene (not portable)	O No	
	O Fireplaces, stoves, or portable room heaters of any kind	Lieu III. and a superior of the superior of th	
ł	In some other way—Describe ———	H23. How many passenger automobiles are owned or regularly used by members of your household?	
		Count company cars kept at home.	1 1
i	None, unit has no heating equipment	○ None ○ 1 automobile	
	H15. About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.	O 2 automobiles	
	O 1969 or 1970 O 1950 to 1959	3 automobites or more	1)
	O 1965 to 1968 O 1940 to 1949		
	O 1960 to 1964 O 1939 or earlier		
	H16. Which best describes this building? Include all apartments, flats, etc., even if vacant:		
	A one-family house detached from any other house		ľ
	O A one-family house attached to one or more houses		
	O A building for 2 families O A building for 3 or 4 families		
İ	A building for 5 to 9 families		
	O A building for 10 to 19 families		
Ì	O A building for 20 to 49 families O A building for 50 or more families		
1	A mobile home or trailer		
	Other		1
	Describe		
	H17. Is this building—		
	On a city or suburban lot?— Skip to H19 On a place of less than 10 acres?		
	On a place of 10 acres or more?		
	H18. Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to—	1	
	O Less than \$50 (or None)		

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES (Percent indicates sample size)

	H13. Answer question H13 if you pay rent for your living quarters. In addition to the rent entered in H12, do you also pay for— a. Electricity? O Yes, average monthly cost is No, included in rent No, electricity not used b. Gas?	H24a. How many stories (floors) are in this building? O 1 to 3 stories O 4 to 6 stories O 7 to 12 stories O 13 stories or more D 1/4 or more stories— Is there a passenger elevator in this building?	
	O Yes, average monthly cost is \$.00 O No, included in rent Average monthly cost O No, gas not used	Yes No H25a. Which fuel is used most for cooking? (From underground pipes	
	c. Water? O Yes, yearly cost is No, included in rent or no charge S 200 Yearly cost	Gas serving the neighborhood. Coal or coke O Bottled, tank, or LP Wood O Electricity Other fuel Fuel oil, kerosene, etc. No fuel used O	
	d. Oil, coal, kerosene, wood, etc.? Yes, yearly cost is No, included in rent No, these fuels not used	b. Which fuel is used most for house heating? From underground pipes Gas serving the neighborhood. O Coal or coke O	
	H14. How are your living quarters heated? Fill one circle for the kind of heat you use most.	Bottled, tank, or LP	
:	Steam or hot water system Central warm air furnace with ducts to the individual rooms, or central heat pump Built-in electric units (permanently installed in wall, ceiling, or haseboard) Floor, wall, or pipeless furnace	c. Which fuel is used most for water heating? From underground pipes Gas Serving the neighborhood. Coal or coke Coal or	
5 and 5 ercent	 Room heaters with flue or vent, burning gas, oil, or kerosene Room heaters without flue or vent, burning gas, oil, or kerosene (not portable) Fireplaces, stoves, or portable room heaters of any kind 	Fuel oil, kerosene, etc	5 percer
	In some other way—Describe——— None, unit has no heating equipment	O 2 bedrooms O 5 bedrooms or more H27a. Do you have a clothes washing machine?	- percer
	H15. About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted. O 1969 or 1970 O 1950 to 1959 O 1965 to 1968 O 1940	Yes, automatic or semi-automatic Yes, wringer or separate spinner No b. Do you have a clothes dryer?	
	O 1960 to 1964 O 1939 or earlier H16. Which best describes this building?	 Yes, electrically heated Yes, gas heated No 	
	Include all apartments, flats, etc., even if vacant. A one-family house detached from any other house A one-family house attached to one or more houses A building for 2 families A building for 3 or 4 families A building for 5 to 9 families	c. Do you have a dishwasher (built-in or portable)? Yes O No d. Do you have a home food freezer which is separate from your refrigerator? Yes O No	
	A building for 1C to 19 families A building for 20 to 49 families A building for 50 or more families A mobile home or trailer	H28a. Do you have a television set? Count only sets in working order. O Yes, one set O Yes, two or more sets O No	
	Other— Describe H17. Is this building—	b. If "Yes"— Is any set equipped to receive UHF broadcasts, that is, channels 14 to 83?	1
	 On a city or suburban lot?— Skip to H24 On a place of less than 10 acres? On a place of 10 acres or more? 	Pres O No H29. Do you have a battery-operated radio? Count car radios, transistors, and other battery-operated sets in working	_
l	H18. Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to—	order or needing only a new battery for operation. O Yes, one or more O No	
- 1	O Less than \$50 (or None) O \$2,500 to \$4,999 O \$50 to \$249 O \$5,000 to \$9,999	H30. Do you (or any member of your household) own a second home or other	71

App-12

FACSIMILE OF THE RESPONDENT INSTRUCTIONS FOR THE HOUSING QUESTIONS IN THE 1970 CENSUS

If you live in an apartment building and you do not know the answers to questions H14, H15, H16, and H25, ask the person who runs your building (for example, the manager, rental agent, superintendent, janitor, etc.).

- A. Mark only one circle. This address means the house or building number where your living quarters are located.
- H1. Mark Yes and enter telephone number, even if the telephone is in another apartment or building.
- H2. Mark the second circle only if you must go through someone else's living quarters to get to your own.
- H3. The kitchen sink, stove, and refrigerator do not have to be in the same room.
 - Also used by another household means that someone else who lives in the same building, but is not a member of your household, also uses the equipment. Mark this circle also if the occupants of living quarters now vacant would also use the equipment.
- H4. Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count kitchenettes, strip or pullman kitchens; utility rooms; or unfinished attics, basements, or other space used for storage.
- H5. Mark hot water even if you have it only part of the time.
- H6, H7. See instructions for H3 for meaning of Also used by another household.
- H8. A house has a basement if there is enclosed space in which persons can walk upright under all or part of the building. A house on a concrete slab has no basement and no air or crawl space below it. A house built in another way is one directly on the ground or resting on a foundation or posts to provide crawl space.
- H9. Owned or being bought means that the living quarters are owned outright or are mortgaged. Also mark Owned or being bought if the living quarters are owned but the land is rented.
 - Mark Rented for cash rent if any money rent is paid. Rent may be paid by persons who are not members of your household.
 - Occupied without payment of cash rent includes, for example, a parsonage, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.
- H10. A commercial establishment is easily recognized from the outside; for example, a grocery store or barber shop. A medical office is a doctor's or dentist's office regularly visited by patients. If your house is on a place of 10 acres or more and also contains a commercial establishment or medical office, mark Yes, 10 acres or more.
- H11. Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the land.
- H12. Report the rent agreed to or contracted for, even if the furnishings, utilities, or services are included.
 - a. If you pay rent by the month, write in the amount of rent and fill one circle.
 - b. If rent is not paid by the month, answer both parts of b. For example, \$20 per week, \$1,500 per year, etc.
- H13. If exact costs are not known, estimate as closely as possible. Report amounts even if bills are unpaid or are paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket ({ }) the two utilities.

- H14. This question refers to the type of heating equipment and not to the fuel used.
 - A heat pump is sometimes known as a reverse cycle system.
 - A floor, wall, or pipeless furnace delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. These furnaces do not have ducts leading to other rooms.
 - Any heater that you plug into an electric outlet should be counted as a portable room heater—not a built-in electric unit.
- H16. Count all occupied and vacant living quarters in the house or building, but not stores or office space.
 - Detached means there is open space on all sides, or the house is joined only to a shed or garage. Attached means that the house is joined to another house or building by at least one wall which goes from ground to roof.
- H17. A city or suburban lot is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a city or suburban lot.
 - A place is a farm, ranch, or any other property, other than a city or suburban lot, on which this residence is located.
- H18. Fill the circle for the total (gross) amount of money received from the sales of crops, livestock, and other farm products produced on this place during the calendar year 1969.
- H19. If a well provides water for six or more houses or apartments, mark a public system. If a well provides water for five or fewer houses or apartments, mark an individual well.
- H20. A public sewer is operated by a government body or a private organization. A septic tank or cesspool is an underground tank or pit used for disposal of sewage.
- H22. Count only equipment with a refrigeration unit to cool the air. Mark an individual room unit for air conditioners which are installed in a window or in an outside wall and are used to cool one or more rooms. Mark a central system for a central installation which cools the entire house or apartment.
- H23. Do not count cars permanently out of working order. Also do not count taxicabs, pickups, or larger trucks.
- H24a. Do not count a basement as a story.
 - b. Do not count elevators used only for freight.
- H25. Gas from underground pipes is piped in from a central system such as a public utility company or a municipal government. Bottled, tank, or LP gas is stored in tanks which are refilled or exchanged when empty. Other fuel includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.
- H27. Mark the Yes circle whether you own the appliance or it is provided as part of the equipment in your living quarters. Do not count coin-operated equipment or appliances in storage.
- H28. Count any set equipped to receive UHF (ultra high frequency) broadcasts, even if there are no such broadcasts in your area. Include sets that can be tuned directly to channels 14 to 83 and sets that receive UHF broadcasts by means of a converter. Also include sets that receive UHF broadcasts through a community antenna (CATV) or master antenna.
- H29. A battery-operated radio is one that can be run on batteries and does not need to be plugged into an electric socket. Include battery-operated sets owned by any member of the household.
- H30. Do not count vacation trailers, tents, or boats. Also do not count second homes used only for investment purposes.

SOURCES OF ERROR	App-14
EDITING OF UNACCEPTABLE	
DATA	• •
SAMPLE DESIGN	App-14
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SOURCES OF ERROR

Human and mechanical errors occur in any mass statistical operation such as a decennial census. Errors during the data collection phase can include failure to obtain required information from respondents, obtaining incorrect or inconsistent information, and recording information in the wrong place or incorrectly. Errors can also occur during the field review of the enumerator's work, the clerical handling of the questionnaires, the manual editing and coding operations, and the various stages of the electronic processing of the material. Careful efforts are made in every census to keep the errors in each step at an acceptably low level. Quality control and check measures are utilized throughout the census operation. As was done for the 1950 and 1960 censuses, evaluative material on many aspects of the 1970 census will be published as soon as the appropriate data are accumulated and analyzed. A major concern in the evaluation work is to ascertain, insofar as possible, the degree of completeness of the count of both population and housing units.

EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that describes the Nation's housing as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited.

Whenever information was missing, an allocation procedure was used to assign an entry, thereby eliminating the need for a "not reported" category in the tabulations. The assignment was based on related information reported for the housing unit or on information reported for a similar unit in the immediate neighborhood. For example, if tenure for an occupied unit was omitted but a rental amount was reported, the computer automatically edited tenure to "rented for cash rent." On the other hand, if the unit was reported as rented but the amount of rent was missing, the computer automatically assigned the rent that was reported for the preceding renteroccupied unit.

A similar procedure was used when the information reported for an item was inconsistent with other information reported for the unit. For example, if a housing unit was enumerated as having no piped water but having both a bathtub (or shower) and flush toilet for the exclusive use of the occupants of the unit, the computer edited water supply to "hot and cold water," a category considered to be consistent with the reported bathing and toilet facilities.

Specific tolerances were established for the number of computer allocations that would be permitted. If the number of corrections was beyond tolerance, the questionnaires in which the errors occurred were clerically reviewed. If it was found that the errors resulted from damaged questionnaires, from improper microfilming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

The extent of allocations for nonresponses and inconsistencies is given for SMSA's and places in the allocation tables in the 1970 Population Census PC(1)-B and PC(1)-C reports, and in the Housing Census HC(1)-A and HC(1)-B reports.

SAMPLE DESIGN

For sample data collected in the 1970 census, the housing unit, including all its occupants, was the sampling unit; for persons in group quarters identified in advance of the census, it was the person. In non-mail areas, the enumerator canvassed his assigned area and listed all housing units in an address register sequentially in the order in which he first visited the units, whether or not he completed the interview. Every fifth line of the address register was designated as a sample line, and the housing units listed on these lines were included in the sample. Each enumerator was given a random line on which he was to start listing and the order of canvassing was indicated in advance. although the instructions allowed some latitude in the order of visiting addresses. In mail areas, the list of housing units was prepared prior to Census Day either by employing commercial mailing lists corrected through the cooperation of the post office or by listing the units in a process similar to that used in non-mail areas. As in other areas, every fifth housing unit on these lists was designated to be in the sample. In group quarters, all persons were listed and every fifth person was selected for the sample; as indicated in Appendix B, information on the housing characteristics of group quarters was not collected in the census.

This 20-percent sample was subdivided into a 15-percent and a 5percent sample by designating every fourth 20-percent sample unit as a member of the 5-percent sample. The remaining sample units became the 15-percent sample. Two types of sample questionnaires were used, one for the 5-percent and one for the 15-percent sample units. Some questions were included on both the 5-percent and 15-percent sample forms and therefore appear for a sample of 20 percent of the units in the census. Other items appeared on either the 15-percent or the 5-percent questionnaires. The sample rates for the various items appearing in this report are shown in table A.

Although the sampling procedure did not automatically insure an exact 20-percent sample of persons or housing units in each locality, the sample design was unbiased if carried through according to instructions; generally for larger areas the deviation from 20 percent was found to be quite small. Biases may have arisen, however, when the enumerator failed to follow his listing and sampling instructions exactly. Quality control procedures were used throughout the census process, and where there was clear evidence that the sampling proce-

TABLE A. Sample Rate for Subjects Included in This Report

Subject	Sample rate (percent)	Subject	Sample rate percent)
OCCUPANCY CHARACTERISTICS Occupied housing units Tenure Race Spanish heritage Year moved into unit VACANCY CHARACTERISTICS Vacant for sale Vacant for rent Duration of vacancy UTILIZATION CHARACTERISTICS Number of rooms Size of household (persons) Persons per room Bedrooms PLUMBING CHARACTERISTICS Plumbing facilities Complete bathrooms STRUCTURAL CHARACTERISTIC Complete kitchen facilities Access	rate (percent) 20 20 20 15 15 15 20 20 20 20 15 15 15 20 20 20 20 20 20 20 20 20 20 20 20 20	Subject	rate percent) . 20 . 15 . 15 . 5 . 5 . 5 . 5 . 20 . 20 . 20 . 20 . 20 . 20 . 20
Units in structure	. 20 . 20		

dures were not properly followed, some enumerators' assignments were returned to the field for resampling. Estimates for the United States as a whole indicate that 19.6 percent of the total population and 19.7 percent of the total housing units were enumerated on sample questionnaires. The computation of these proportions excluded several classes of the population and housing units for which no attempt at sampling was made. These were the relatively small numbers of persons and housing units (in most States, less than one percent) added to the enumeration from the post-census post office check, the various supplemental forms, and the special check of vacant units. However, the ratio estimation procedure described below adjusts the sample data to reflect these classes of population and housing units.

RATIO ESTIMATION

The statistics based on 1970 census sample data are estimates made through the use of ratio estimation procedures which were applied separately for the 5-, 15-, and 20-percent samples. The first step in carrying through the ratio estimates was to establish the areas within which separate ratios were to be prepared. These are referred to as "weighting areas." For the 15- and 20-percent samples the weighting areas contained a minimum population size of 2,500. The weighting areas used for the 5-percent ratio estimate were larger areas having a minimum population size of 25,000 and comprising combinations of the weighting areas used for the 15- and 20-percent samples. Weighting areas were established by a mechanical operation on the computer and were defined to conform, as nearly as possible, to areas for which tabulations are produced. Where these areas do not agree (primarily for smaller areas), there may be some differences between complete counts and sample estimates.

The ratio estimation process operated in two stages for occupied housing units, and in one stage for vacant units. The first stage for occupied units employed 18 household-type groups (the first of which was empty by definition); the second stage for occupied units used four groups: owner- and renter-occupied units, by race. The single stage for vacant units employed three groups: year-round vacant for sale, year-round vacant for rent, and other vacant.

Group

Occupied housing units:

STAGE I

1 2 3	Male Head With Own Children Under 18 1-person household 2-person household 3-person household
•	•
6	6-or-more-person house- hold
7-12	Male Head Without Own Children Under 18 1-person to 6-or-more- person households
13-18	Female Head 1-person to 6-or-more- person households
	STAGE II
19 20	Owner Occupied Negro Not Negro
21	Renter Occupied Negro

Not Negro

Vacant housing units:

23	Year-round vacant for sale
24	Year-round vacant for rent
25	Other vacant

At each stage, for each of the occupied housing groups, the ratio of the complete count to the weighted sample count of the housing units in the group was computed and applied to the weight of each sample unit in the group. This operation was performed for each of the 18 groups in the first stage, then for the four groups in the second stage. As a rule, the weighted sample counts within each of the 4 groups in the second stage for occupied units should agree with the complete counts for the weighting areas (close, although not exact consistency can be expected for the 18 groups in the first stage). Similarly, the weighted sample counts within each of the 3 groups in the single stage for vacant housing units should agree with the complete counts for the weighting

There are some exceptions to this general rule, however. As indicated above, there may be differences between the complete counts and sample estimates when the tabulation area is not made up of whole weighting areas. Furthermore, in order to increase the reliability, a separate ratio was not computed in a group whenever certain criteria pertaining to the complete count of housing units and the magnitude of the weight were not met. For example, for the 20-percent sample the complete count of units in a group had to exceed 70 units and the ratio of the complete count to the unweighted sample count could not exceed 20. Where these criteria were not met, groups were combined in a specific order until the conditions were met. Where this occurred, consistency between the weighted sample and the complete counts would apply as indicated above for the combined group but not necessarily for each of the groups in the combination.

Each sample housing unit was assigned an integral weight to avoid the complications involved in rounding in the final tables. If, for example, the final weight for a group was 5.2, one-fifth of the units in the group (selected at random) were assigned a weight of 6 and the remaining four-fifths a weight of 5.

The estimates realize some of the gains in sampling efficiency that would have resulted had the population been stratified into the groups before sampling. The net effect is a reduction in both the sampling error and possible bias of most statistics below what would be obtained by weighting the results of the sample by a uniform factor (e.g., by weighting the 20percent sample results by a uniform factor of 5). The reduction in sampling error will be trivial for some items and substantial for others. A by-product of this estimation procedure is that estimates for this sample are, in general, consistent with the complete count for the housing unit groups used in the estimation procedure. A more complete discussion of the technical aspects of these ratio estimates will be presented in a separate report.

SAMPLING VARIABILITY

The estimates from the 20-, 15-, and 5-percent sample tabulations are subject to sampling variability. The standard errors of these estimates can be approximated by using the data in tables B through D. The chances are about 2 out of 3 that the difference (due to sampling variability) between the sample estimate and the figure that would have been obtained from a

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complete count is less than the standard error. The chances are about 19 out of 20 that the difference is less than twice the standard error and about 99 out of 100 that it is less than 2½ times the standard error. The amount by which the estimated standard error must be multiplied to obtain other odds deemed more appropriate can be found in most statistical textbooks. The sampling errors may be obtained by using the factors shown in table D in conjunction with table B for absolute numbers and in conjunction with table C for percentages. These tables reflect the effect of simple response variance, but not of bias arising in the collection, processing and estimation steps nor of the correlated errors enumerators introduce; estimates of the magnitude of some of these factors in the total error are being evaluated and will be published at a later date.

Table B shows approximate standard errors of estimated numbers for most statistics based on the 20-percent sample. In determining the figures for this table, some aspects of the sample design, the estimation process, and the size of the area over which the data have been compiled are ignored. Table C shows standard errors of most percentages based on the 20-percent sample. Linear interpolation in tables B and C will provide approximate results that are satisfactory for most purposes. Table D provides a factor by which the standard errors shown in tables B or C should be multiplied to adjust for the effect of the sample size (i.e., whether a 15-percent or 5-percent sample) and the effect of the estimation procedure.

To estimate the standard error for a given characteristic, locate the factor in table D for the appropriate characteristic and the sample size used to tabulate the data, and multiply this

factor by the standard error found in table B or C. Where data are shown as cross-classifications of two characteristics, locate and use the larger factor. Similarly, if an item, although collected on one sample basis, has been tabulated for a smaller sample, use the factor appropriate for the smaller sample.

The standard errors estimated from these tables are not directly applicable to differences between two sample estimates. In order to estimate the standard error of a difference, the tables are to be used somewhat differently in the three following situations:

- For a difference between the sample figure and one based on a complete count (e.g., arising from comparisons between sample statistics for 1970 and complete-count statistics for 1960 or 1950), the standard error is identical with the standard error of the 1970 estimate alone.
- 2. For a difference between two sample figures (that is, one from 1970 and the other from 1960, or both from the same census year), the standard error is approximately the square root of the sum of the squares of the standard errors of each estimate considered separately. This formula will represent the actual standard error quite accurately for the difference between estimates of the same characteristics in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. If, however, there is a high positive correlation between the two characteristics, the formula will overestimate the true standard error. The approximate standard error for the 1970 sample figure is derived directly from tables B

- through D. The standard error of a 1960 sample figure may be obtained from the relevant 1960 census report.
- For a difference between two sample estimates, one of which represents a subclass of the other, the tables can be used directly with the difference considered as the sample estimate.

The sampling variability of the medians presented in certain tables (median rooms, median value, median gross rent, etc.) depends on the size of the base and on the distribution on which the median is based. An approximate method for measuring the reliability of an estimated median is to determine an interval about the estimated median such that there is a stated degree of confidence the true median lies within the interval. As the first step in estimating the upper and lower limits of the interval (that is, the confidence limits) about the median, compute one-half the number on which the median is based (designated N/2). From table B, following the method outlined in other parts of this section, compute the standard error of an estimated number equal to N/2. Subtract this standard error from N/2. Cumulate the frequencies (in the table on which the median is based) until the total first exceeds the difference between N/2 and its standard error, and by linear interpolation obtain a value corresponding to this number. In a corresponding manner, add the standard error to N/2, cumulate the frequencies in the table, and obtain a value in the table on which the median is based corresponding to the sum of N/2 and its standard error.

The chances are about 2 out of 3 that the median would lie between these two values. The range for 19 chances out of 20 and for 99 in 100

can be computed in a similar manner by multiplying the standard error by the appropriate factors before subtracting from and adding to one-half the number reporting the characteristics. Interpolation to obtain the

values corresponding to these numbers gives the confidence limits for the median.

TABLE B. Approximate Standard Error of Estimated Number Based on 20-Percent Sample

(Range of 2 chances out of 3; for factors to be applied see table D and text)

Estimated	Number of housing units in area ²							
number ¹	10,000	25,000	100,000	250,000	1,000,000	2,500,000	4,000,000	
50	15	15	15	15	15	15	15	
100	20	20	20	20	20	20	20	
250	30	30	30	30	30	30	30	
500	45	45	45	45	45	45	45	
1,000	60	60	65	65	65	65	65	
2,500	90	95	100	100	100	100	100	
5,000	100	130	140	140	140	140	140	
10,000		150	190	200	200	200	200	
15,000		150	230	240	240	240	200	
25,000			270	300	310	l " i	240	
50,000			320	400	440	310	320	
75,000	•••		270	450		440	440	
100,000	•••	•••		490	520 600	540 620	540 630	

¹ For estimated numbers larger than 100,000, the relative errors are somewhat smaller than for 100,000.

TABLE C. Approximate Standard Error of Estimated Percentage Based on 20-Percent Sample

(Range of 2 chances out of 3; for factors to be applied see table D and text)

Estimated				Base of percentage	ge		
percentage 500	500	1,000	2,500	10,000	25,000	100,000	250,000
2 or 98	1.3 2.0 2.7 3.9 4.5	0.9 1.4 1.9 2.7 3.2	0.6 0.9 1.2 1.7 2.0	0.3 0.4 0.6 0.9	0.2 0.3 0.4 0.5	0.1 0.1 0.2 0.3 0.3	0.1 0.1 0.1 0.2 0.2

² An area is the smallest complete geographic area to which the estimate under consideration pertains. Thus, the area may be the standard metropolitan statistical area or the place. Housing units with Negro heads of household or Spanish heritage heads of household do not represent complete areas.

TABLE D. Factor to be Applied to Standard Errors

	Factor if sample rate is—				Factor if sample rate is—		
Characteristic ¹	20 percent			Characteristic ¹	20 percent	15 percent	5 percent
OCCUPANCY AND VACANCY CHARACTERISTICS				EQUIPMENT, FUELS, AND APPLIANCES			
Year moved into unit		1.1		Heating equipment	0.8	0.9	
Duration of vacancy	0.8		1.7	Air conditioning		1.1	
· · · · · · · · · · · · · · · · ·				Automobiles available		1.0	•••
UTILIZATION CHARACTERISTICS				Appliances		 .	1.9
Rooms	1.0	1.1	2.1				
Size of household (persons)	0.5	0.6	1.2	FINANCIAL CHARACTERISTICS			
Persons per room	0.4	0.5	0.9	Value	1.0	1.1	2.1
Bedrooms			2.1	Value-income ratio	1.0	1.2	
-				Gross rent	0.9	1.1	2.1
PLUMBING CHARACTERISTICS				Gross rent as percentage of income	1.0	1.2	
Complete bathrooms		1.1		Sales price asked	1.1		2.5
Plumbing facilities	1.0			Rent asked	1.1		2.5
STRUCTURAL CHARACTERISTICS				HOUSEHOLD CHARACTERISTICS			
Units in structure	0.8	0.9	1.7	Household composition	0.6	0.7	
Year structure built	0.9	1.0		Income in 1969	1.0	1.2	2.3
1 ear structure built	0.5		"	ALL OTHERS	1.0	1.2	2.2

¹Tabulations of housing data for households with heads of Spanish heritage are based on the 15-percent sample. For characteristics of households with heads of Spanish heritage (tables 19 to 26), use the factors given for the 15-percent sample.

NOTE: In this report an item collected for the 20-percent sample may be cross-tabulated with other items based on the 15-percent or 5-percent samples. In such cases, locate the factor for both items in Table D for the smaller sample size. Use the larger of the two factors. For example, in Table 9, duration of vacancy (a 20-percent item) is cross-tabulated by number of bedrooms (a 5-percent item). The factor for duration of vacancy based on a 5-percent sample is 1.7 and for bedrooms it is 2.1. The factor of 2.1 should be used to adjust the standard errors since it is the larger of the two factors based on the 5-percent sample.

Appendix D.—PUBLICATION AND COMPUTER SUMMARY TAPE PROGRAM

The results of the 1970 Census of Population and Housing are being issued in the form of printed reports, microfiche copies of the printed reports, computer summary tapes, computer printouts, and microfilm. Listed below are short descriptions of the final report series and computer tapes, as currently planned. More detailed information on this program can be obtained by writing to the Publications Distribution Section, Bureau of the Census, Washington, D.C. 20233.

Housing Census Reports

Volume I.

HOUSING CHARACTERISTICS FOR STATES, CITIES, AND COUNTIES

This volume will consist of 58 "parts"—number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which will be a separate clothbound book, will contain two chapters designated as A and B. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in two series designated as HC(1)-A and B, respectively.

Series HC(1)-A. GENERAL HOUSING CHARACTERISTICS

Statistics on tenure, kitchen facilities, plumbing facilities, number of rooms, persons per room, units in structure, mobile home, telephone, value, contract rent, and vacancy status are presented for some or all of the following areas: States (by urban and rural residence), standard metropolitan statistical areas (SMSA's), urbanized areas, places of 1,000 inhabitants or more, and counties.

Series HC(1)-B. DETAILED HOUSING CHARACTERISTICS

Statistics are presented on a more detailed basis for the subjects included in the Series HC(1)-A reports, as well as on such additional subjects as year moved into unit, year structure built, basement, heating equipment, fuels, air conditioning, water and sewage, appliances, gross rent, and ownership of second home. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, urbanized areas, places of 2,500 inhabitants or more, and counties (by rural and rural-farm residence).

Volume II. METROPOLITAN HOUSING CHARACTERISTICS

These reports, also designated as Series HC(2), cover most of the 1970 census housing subjects in considerable detail and cross-classification. There is one report for each SMSA, presenting data for the SMSA and its central cities and places of 50,000 inhabitants or more, as well as a national summary report.

Volume III. BLOCK STATISTICS

One report, under the designation Series HC(3), is issued for each urbanized area showing data for individual blocks on selected housing and population subjects. The series also includes reports for the communities outside urbanized areas which have contracted with the Census Bureau to provide block statistics from the 1970 census.

Volume IV.

COMPONENTS OF INVENTORY CHANGE

This volume will contain data on the disposition of the 1960 inventory and the source of the 1970 inventory, such as new construction, conversions, mergers, demolitions, and other additions and losses. Crosstabulations of 1970 and 1960 characteristics for units that have not changed and characteristics of the present and previous residence of recent movers will also be provided. Statistics will be shown for 15 selected SMSA's and for the United States and regions.

Volume V. RESIDENTIAL FINANCE

This volume will present data regarding the financing of privately owned nonfarm residential properties. Statistics will be shown on amount of outstanding mortgage debt, manner of acquisition of property, homeowner expenses, and other owner, property, and mortgage characteristics for the United States and regions.

Volume VI. ESTIMATES OF "SUBSTANDARD" HOUSING

This volume will present counts of "substandard" housing units for counties and cities, based on the number of units lacking plumbing facilities combined with estimates of units with all plumbing facilities but in "dilapidated" condition.

Volume VII. SUBJECT REPORTS

Each report in this volume will concentrate on a particular subject. Detailed information and cross-classifications will generally be provided on a national level; in some reports, data for States or SMSA's may also be shown. Among the subjects to be covered are housing characteristics by household composition, housing of minority groups and senior citizens, and households in mobile homes.

Population Census Reports

Volume I.

CHARACTERISTICS OF THE POPULATION

This volume will consist of 58 "parts"number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which will be a separate clothbound book, will contain four chapters designated as A, B, C, and D. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in four series designated as PC(1)-A, B, C, and D, respectively. The 58 PC(1)-A reports will be specially assembled and issued in a clothbound book, designated as Part A.

Series PC(1)-A. NUMBER OF INHABITANTS.

Final official population counts are presented for States, counties by urban and rural residence, SMSA's, urbanized areas, county subdivisions, all incorporated places, and unincorporated places of 1,000 inhabitants or more.

Series PC(1)-B. GENERAL POPULATION CHARACTERISTICS

Statistics on age, sex, race, marital status, and relationship to head of household are presented for States, counties by urban and rural residence, SMSA's, urbanized areas, county subdivisions, and places of 1,000 inhabitants or more.

Series PC(1)-C. GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS

Statistics are presented on nativity and parentage, State or country of birth, Spanish origin, mother tongue, residence 5 years ago, year moved into present house, school enrollment (public or private), years of school completed, vocational training, number of children ever born, family composition, disability, veteran status, employment status, place of work, means of transportation to work, occupation group, industry group, class of worker, and income (by type) in 1969 of families and individuals. Each subject is shown for some or all of the following areas: States, counties (by urban, rural-nonfarm, and rural-farm residence), SMSA's urbanized areas, and places of 2,500 inhabitants or more.

Series PC(1)-D.

DETAILED CHARACTERISTICS

These reports cover most of the subjects shown in Series PC(1)-C, above, presenting the data in considerable detail and crossclassified by age, race, and other characteristics. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, and large cities.

Volume II. SUBJECT REPORTS

Each report in this volume, also designated as Series PC(2), will concentrate on a particular subject. Detailed information and cross-relationships will generally be provided on a national and regional level; in some reports, data for States or SMSA's will also be shown. Among the characteristics to be covered are national origin and race, fertility, families, marital status, migration, education, unemployment, occupation, industry, and income.

Joint Population-Housing Reports

Series PHC(1). CENSUS TRACT REPORTS

This series contains one report for each SMSA, showing data for most of the population and housing subjects included in the 1970 census.

Series PHC(2).

GENERAL DEMOGRAPHIC TRENDS FOR METROPOLITAN AREAS, 1960 TO 1970

This series consists of one report for each State and the District of Columbia, as well as a national summary report, presenting statistics for the State and for SMSA's and their central cities and constituent counties. Comparative 1960 and 1970 data are shown on population counts by age and race and on such housing subjects as tenure, plumbing facilities, value, and contract rent.

Series PHC(3).

EMPLOYMENT PROFILES OF SELECTED LOW-INCOME AREAS

This series consists of approximately 70 reports, each presenting statistics on the social and economic characteristics of the residents of a particular low-income area. The data relate to low-income neighborhoods in 51 cities and seven rural proverty areas. Each report provides statistics on employment and unemployment, education, vocational training, availability for work,

job history, and income, as well as on value or rent and number of rooms in the housing unit.

Additional Reports

Series PHC(E).

EVALUATION REPORTS

This open series will present the results of the extensive evaluation program conducted as an integral part of the 1970 census program, and relating to such matters as completeness of enumeration and quality of the data on characteristics.

Series PHC(R).

PROCEDURAL REPORTS

This open series presents information on various administrative and methodological aspects of the 1970 census, and will include a comprehensive procedural history of the 1970 census. The first report issued focuses on the forms and procedures used in the data collection phase of the census.

Computer Summary Tapes

The major portion of the results of the 1970 census is produced in a set of six tabulation counts. To help meet the needs of census users, these counts are being designed to provide data with much greater subject and geographic detail than it is feasible or desirable to publish in printed reports. The data so tabulated are generally available—subject to suppression of certain detail where necessary to protect confidentiality—on magnetic computer tape, printouts, and microfilm, at the cost of preparing the copy.

First Count—source of the PC(1)-A reports; contains about 400 cells of data on the subjects covered in the PC(1)-B and HC(1)-A reports and tabulated for each of the approximately 250,000 enumeration districts in the United States.

Second Count-source of the PC(1)-B, HC(1)-A, and part of the PHC(1) reports; contains about 3,500 cells of data covering the subjects in these reports and tabulated for the approximately 35,000 tracts and 35,000 county subdivisions in the United States.

Third Count—source of the HC(3) reports; contains about 250 cells of data on the subjects covered in the PC(1)-B and HC(1)-A reports and tabulated for approximately 1,500,000 blocks in the United States.

Fourth Count—source of the PC(1)-C, HC(1)-B, and part of the PHC(1) reports; contains about 13,000 cells of data covering the subjects in these reports and tabulated for the approximately 35,000 tracts and 35,000 county subdivisions in the United States; also contains about 30,000 cells of data for each county.

Fifth Count—contains approximately 800 cells of population and housing data for 5-digit ZIP code areas in SMSA's and 3-digit ZIP code areas outside SMSA's; the ZIP code data are available only on tape.

Sixth Count—source of the PC(1)-D and HC(2) reports; contains about 260,000 cells of data covering the subjects in these reports and tabulated for States, SMSA's, and large cities.

The tapes are generally organized on a State basis. To use the First Count and Third Count tapes, it is necessary to purchase the appropriate enumeration district and block maps.

The term "cells" used herein to indicate the scope of subject content of the several counts refers to each figure or statistic in the tabulation for a specific geographic area. For example, in the Third Count, there are six cells for a cross-classification of race by sex: three categories of race (white, Negro, other race) by two categories of sex (male, female).

In addition to the above-mentioned summary tapes, the Census Bureau makes available for purchase certain sample tape files containing population and housing characteristics as shown on individual census records. These files contain no names or addresses, and the geographic identification is sufficiently broad to protect confidentiality. There are six files, each containing a 1-percent national sample of persons and housing units. Three of the files are drawn from the population covered by the census 15-percent sample and three from the population in the census 5-percent sample. Each of these three files provides a different type of geographic information: One identifies individual large SMSA's and, for the rest of the country, groups of counties; the second individual States and, where they are sufficiently large, provides urban-rural and metropolitan-nonmetropolitan detail; and the third State groups and size of place, with each individual record showing selected characteristics of the persons's neighborhood.

U.S. DEPARTMENT OF COMMERCE Social and Economic Statistics Administration BUREAU OF THE CENSUS Washington, D.C. 20233

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE



OFFICIAL BUSINESS

Table	
1, 11, 19	VALUE
2, 12, 20	GROSS RENT
3, 13, 21	INCOME IN 1969
4, 14, 22	PLUMBING FACILITIES BY PERSONS PER ROOM
5, 15, 23	ROOMS
6, 16, 24	UNITS IN STRUCTURE
7, 17, 25	HOUSEHOLD COMPOSITION
8, 18, 26	PERSONS
9	DURATION OF VACANCY
10	SALES PRICE ASKED AND RENT ASKED